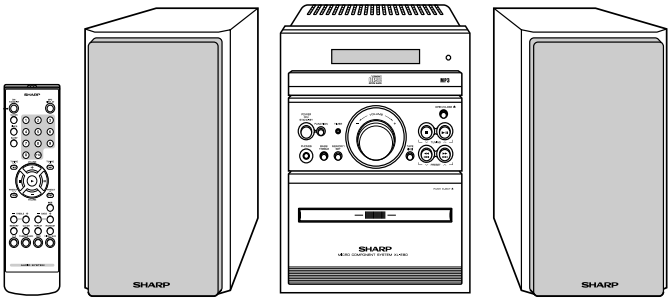
SHARP SERVICE MANUAL

No. S6449XLE80///



MICRO COMPONENT SYSTEM

MODEL XL-E80

XL-E80 Micro Component System consisting of XL-E80 (main unit) and CP-E80 (speaker system).

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

MP3 COMPACT disc DIGITAL AUDIO CD-R/RW Playable

CONTENTS

CHAPTER 1. GENERAL DESCRIPTION
[1] IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY) 1-1
[2] SPECIFICATIONS 1-1
[3] NAMES OF PARTS 1-2

CHAPTER 2. ADJUSTMENTS
[1] ADJUSTMENT 2-1
[2] TEST MODE 2-2

CHAPTER 3. MECHANICAL DESCRIPTION
[1] REMOVING AND REINSTALLING THE MAIN PARTS 3-1
[2] DISASSEMBLY 3-3

CHAPTER 4. DIAGRAMS
[1] BLOCK DIAGRAM 4-1

CHAPTER 5. CIRCUIT DESCRIPTION
[1] WAVEFORMS OF CD CIRCUIT 5-1
[2] VOLTAGE 5-2

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT
[1] NOTES ON SCHEMATIC DIAGRAM 6-1
[2] TYPES OF TRANSISTOR AND LED 6-1
[3] WIRING SIDE OF PWB/SCHEMATIC DIAGRAM 6-2

CHAPTER 7. CD CLEANER
[1] When the CD does not function 7-1

CHAPTER 8. OTHERS
[1] FUNCTION TABLE OF IC 8-1
[2] FL DISPLAY 8-10

Parts Guide

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

CHAPTER 1. GENERAL DESCRIPTION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

[1] IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

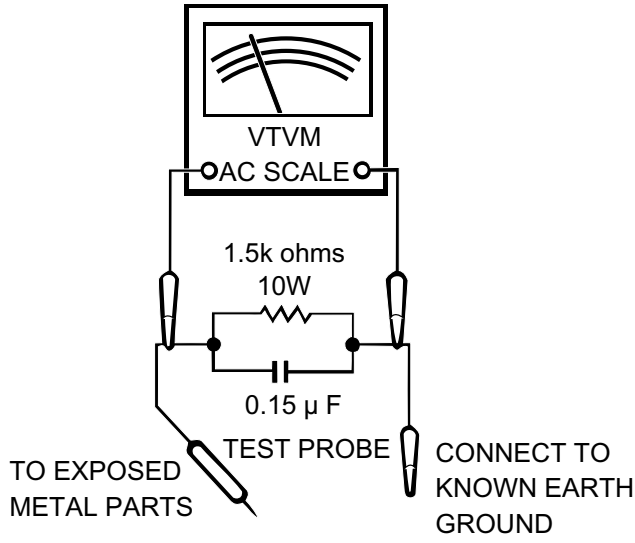
1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

[2] SPECIFICATIONS

■ General

Power source	AC 120 V, 60 Hz
Power consumption	83 W
Dimensions	Width: 6-5/16" (160 mm) Height: 9" (228 mm) Depth: 9-13/16" (248 mm)
Weight	8.4 lbs. (3.8 kg)

■ Amplifier

Output power	20 watts minimum RMS per channel into 6 ohms from 100 Hz to 20 kHz, 10% total harmonic distortion
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Subwoofer pre-output: 500 mV/47 kohms
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms

■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,720 kHz

■ CD player

Type	Compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Cassette deck

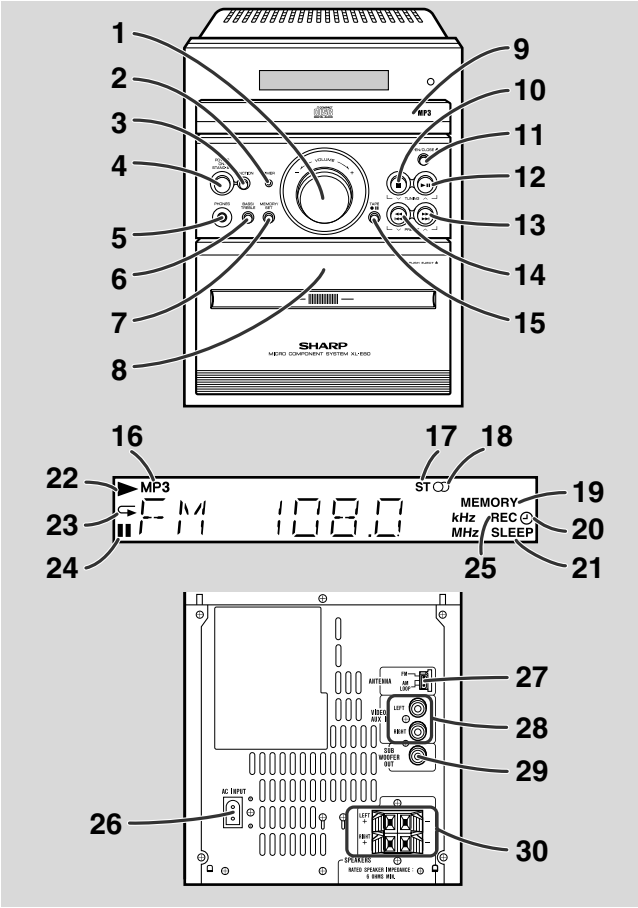
Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.25 % (WRMS)

■ Speaker

Type	2-way type speaker system Super tweeter 3-9/16" (9 cm) woofer
Maximum input power	40 W
Rated input power	20 W
Impedance	6 ohms
Dimensions	Width: 5-3/16" (132 mm) Height: 9" (228 mm) Depth: 7" (177 mm)
Weight	4.0 lbs. (1.8 kg)/each

Specifications for this model are subject to change without prior notice.

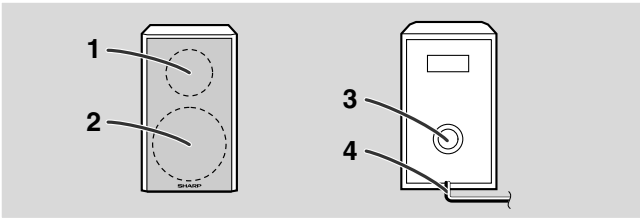
[3] NAMES OF PARTS



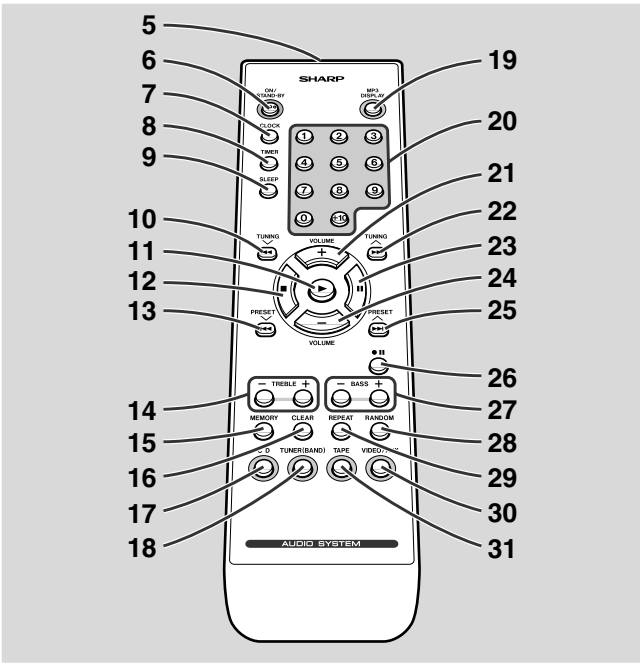
1. Volume Control
2. Timer Set Indicator
3. Function Selector Button
4. Power On/Stand-by Button
5. Headphone Jack
6. Bass/Treble Selector Button
7. Memory/Set Button
8. Cassette Compartment
9. Disc Tray
10. Disc or Tape Stop, Tuning Down Button
11. Disc Tray Open/Close Button
12. Disc Play or Pause, Tape Play, Tuning Up Button
13. Disc Track Up or Fast Forward, Tape Fast Forward, Tuner Preset Up Button
14. Disc Track Down or Fast Reverse, Tape Rewind, Tuner Preset Down Button
15. Tape Record Pause Button

16. MP3 Disc Indicator
17. FM Stereo Mode Indicator
18. FM Stereo Receiving Indicator
19. Memory Indicator
20. Timer Play Indicator
21. Sleep Indicator
22. Disc Play Indicator
23. Disc Repeat Indicator
24. Disc Pause Indicator
25. Tape Record Indicator

26. AC Power Input Jack
27. FM/AM Loop Antenna Jack
28. Video/Auxiliary (Audio Signal) Input Jacks
29. Subwoofer Output Jack
30. Speaker Terminals



1. Super Tweeter
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire



5. Remote Control Transmitter
6. Power On/Stand-by Button
7. Clock Button
8. Timer Button
9. Sleep Button
10. Disc Fast Reverse, Tuning Down, Tape Rewind Button
11. Disc or Tape Play Button
12. Disc or Tape Stop Button
13. Disc Track Down, Tuner Preset Down, Time Down Button
14. Treble Up and Down Buttons
15. Memory Button
16. Disc Program Clear Button
17. CD/MP3 Disc Button
18. Tuner and Band Selector Button
19. MP3 Disc Display Button
20. Direct Search Buttons
21. Volume Up Button
22. Disc Fast Forward, Tuning Up, Tape Fast Forward Button
23. Disc Pause Button
24. Volume Down Button
25. Disc Track Up, Tuner Preset Up, Time Up Button
26. Tape Record Pause Button
27. Bass Up and Down Buttons
28. Disc Random Play Button
29. Disc Repeat Button
30. Video/Auxiliary Button
31. Tape Button

CHAPTER 2. ADJUSTMENTS

[1] ADJUSTMENT

1. MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Over 80 g

• Torque Check

Torque Meter	Specified Value
Play: TW-2111	30 to 80 g.cm
Fast forward: TW-2231	70 to 180 g.cm
Rewind: TW-2231	70 to 180 g.cm

• Tape Speed

Test Tape	Adjusting Point	Specified Value	Instrument Connection
MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz	Speaker Terminal (Load resistance: 6 ohms)

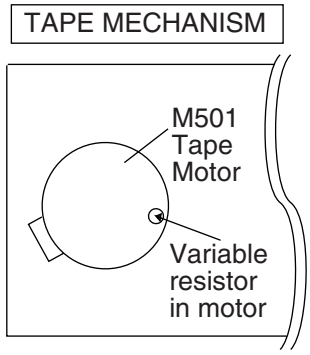


Figure 1

2. TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,602 kHz	L305	*1
AM Band Coverage	—	522 kHz	(fL): L306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	L302	*3

*1. Input: IC301 1Pin Output: IC301 23Pin

*2. Input: Input is not connected Output: TP301(IC301 28Pin)

*3. Input: Antenna Output:IC301 23Pin

• Check FM VT

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Check Point	Instrument Connection
87.5 MHz	87.5 MHz	1.5V ± 1.0V	TP301
108 MHz	108 MHz	5.0V ± 1.0V	TP301

• FM Mute Level

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (30 dBμV)	98.00 MHz	—	Input: Antenna Output: Speaker Terminal

• FM Detection

Signal generator: 10.7 MHz FM sweep generator

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM IF	10.7 MHz	98.00 MHz	—	Input: Pin 36 of IC301 Output: Pin 23 of IC301

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM Band Coverage	—	87.50 MHz	(fL): L307 1.5 ± 0.1 V	*1
FM RF	98.00 MHz (10 ~ 20dB)	98.00 MHz	L304	*1

*1. Input: Antenna Output: 23 Pin of IC301

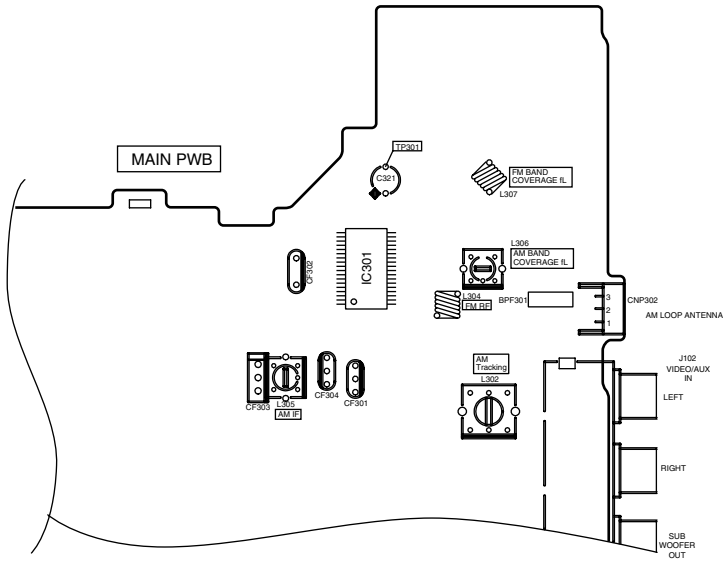


Figure 2 ADJUSTMENT POINTS

3. CD SECTION

- **Adjustment**

  Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

  Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

[2] TEST MODE

Test Mode Key Operation

KEY1	KEY2	KEY3	TEST CONTENTS	INDICATION
Memory	Preset Down	Power	Preset clear	Tu CL
Memory	Stop	Power	Preset set	FM P-01
Memory	Play	Power	Display	
Memory	Preset up	Power	CD	TEST-1
Memory	REC	Power	Soft reset	CLEAR
Bass/treble	Preset down	Power	Volume	TEST-3
Bass/treble	Play	Power	Timer test	TEST-4
Bass/treble	TAPE-REC	Power	all key	TEST-6
Bass/treble	Stop	Power	Tuner aspm	TEST-7

All test modes can be terminated by turning off the power with POWER key.

- **Preset clear test**

  All tuner preset stations are cleared.

- **Preset set test**

CH	BAND	FREQUENCY
1	FM STEREO	FM 87.50 MHz
2		FM 108.00 MHz
3		FM 98.00 MHz
4		FM 90.00 MHz
5		FM 106.00 MHz
1	AM	AM 530 kHz
2		AM 1720 kHz
3		AM 990 kHz
4		AM 600 kHz

CH	BAND	FREQUENCY
5	AM	AM 1400 kHz
AM6-30		
FM11-30		
.		
35		
36	FM MONO	FM 106.00 MHz
37		FM 90.00 MHz
38		FM 98.00 MHz
39		FM 108.00 MHz
40		FM 87.50 MHz

Stations are set according to destination.

- **Display test**

  When test mode is activated, the entire display lights up. As the “PLAY” button is pressed, half of the display lights up alternately.

- **CD test**

[cd step 1] Enter test mode. ←————————

↓ Hold down the “memory” button

[cd step 2] After some steps, the laser turns on.

↓ Hold down the “memory” button

[cd step 3] After some steps, focus search is performed.

↓ Hold down the “memory” button

[cd step 4] After some steps, CLV rotation is performed.

↓ Hold down the “memory” button

[cd step 5] CD playback starts.

↓ Hold down the “stop” button to return to [cd step 1] ————————

In step 5, hold down the AUX button on the remote control. The tracking servo is switched on/off.

From step 3, the pick up can be moved with the FF/REW button.

- **Soft reset test**

  All data in RAM is cleared.

- **VOLUME test**

  Starting from level 23 (default), check all the levels (0 - 23 - MAX).

- **Tuner aspm test**

  106.50 MHz FM stereo is set by default. Hold down the “ASPM” button (on the remote control) to start scanning from 105.00 MHz. The unit receives stations and stores them as PS (preset stations).

  If no station is received, “0MEMORY” appears.

- **TIMER test**

  Start the timer at 1:00. When it reaches 1:05, turn on the power with the AUX function and turn off the power after about 30 seconds.

  (In the test mode, fade-in and fade-out are not required.)

- **ALL KEY test**

  In the test mode, hold down all the buttons on the main unit and then press the “POWER” button. “OK” appears.

  If only the “POWER” key is pressed, “ERROR” appears.

CHAPTER 3. MECHANICAL DESCRIPTION

[1] REMOVING AND REINSTALLING THE MAIN PARTS

1. TAPE MECHANISM SECTION

Perform steps 1 to 5 and 7 of the disassembly method to remove the tape mechanism. (See page 3-3,3-4)

1.1. How to remove the record / playback and erase heads (See Fig. 1)

1. Remove the screws (A1) x 2 pcs., to remove the erase head.
2. Remove the screws (A2) x 2 pcs., to remove the record/playback head.

NOTE: After replacing the heads and performing the azimuth adjustment, be sure to apply screw lock.

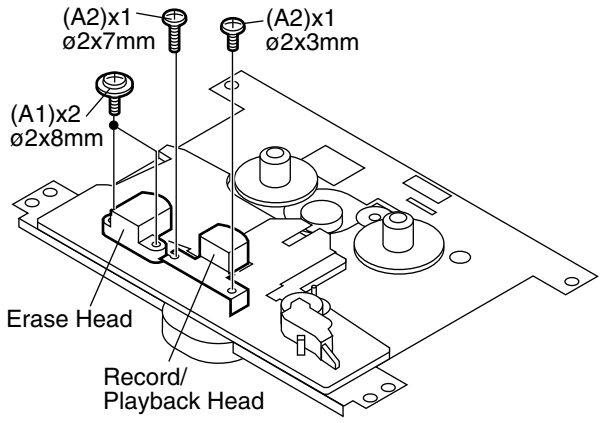


Figure 1

1.2. How to remove the pinch roller (See Fig.2)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (B1) x 1 pc., upwards.

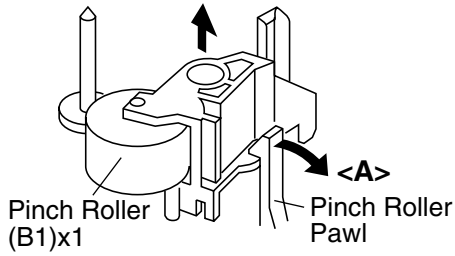


Figure 2

1.3. How to remove the belts (See Fig.3)

1. Remove the main belt (C1) x 1 pc., from the motor pulley.
2. Remove the FF/REW belt (C2) x 1 pc., from the REW/FF roller.
3. Put on the belts in the reverse order of removal.

NOTE: When putting on the belt, ascertain that the belt is not twisted, and clean it.

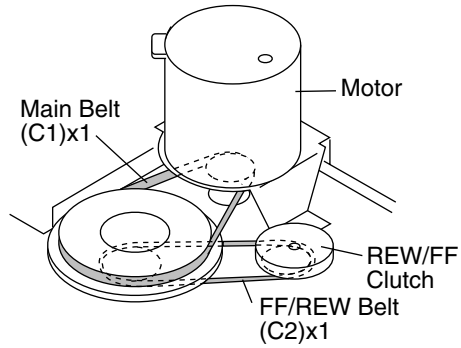


Figure 3

1.4. How to remove the motor (See Fig.4)

1. Remove the main belt.
2. Remove the screws (D1) x 2 pcs., to remove the motor bracket.
3. Remove the screws (D2) x 3 pcs., to remove the motor.

NOTE: When mounting the motor, pay attention to the motor mounting angle.

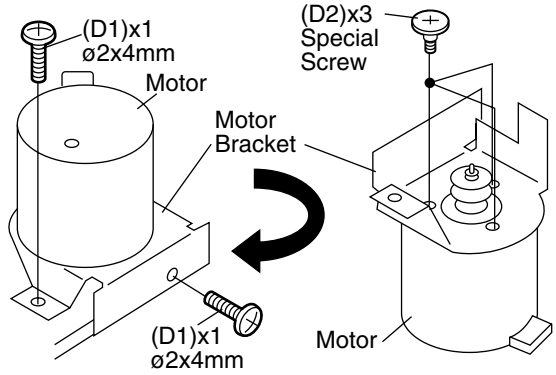


Figure 4

1.5. How to remove the flywheel (See Fig. 5)

1. Remove the belt.
2. Remove the stop washer (E1) x 1 pc., with a small precision screwdriver to extract the flywheel from the capstan metal.

NOTE: When the stop washer is deformed or damaged, replace it with a new one.

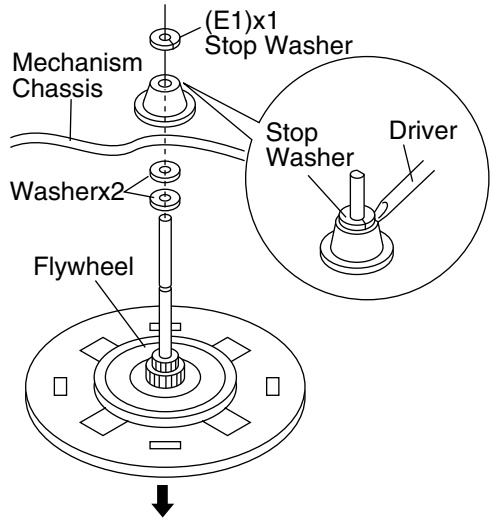


Figure 5

1.6. How to reinstall the parts

Install each part in the reverse order of the removal with care.

1.7. How to remove the tape mechanism PWB (See Fig. 6)

1. Remove the screw (F1) x 1 pc., to remove the tape mechanism PWB.
2. Remove the screws (F2) x 1 pc.
3. Remove the solder joints (F3) x 2 pcs., to remove the tape mechanism PWB.

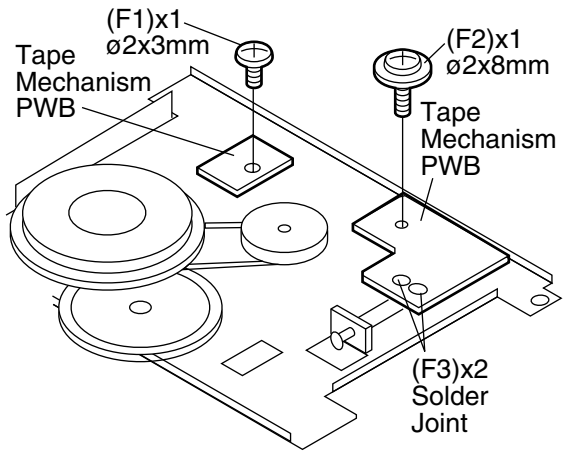


Figure 6

[2] DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1) Take cassette tape and compact disc out of the unit.
2) Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3) Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4) Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw.....(A1) x 7	1
2	Side Panel	1. Screw.....(B1) x 6	1
3	CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. .....(Note 1) 2. CD Tray Cover.....(C1) x 1 3. Hook.....(C2) x 2 4. Flat Cable.....(C3) x 2	2
4	Rear Panel/Main PWB	1. Screw.....(D1) x 9 2. Socket.....(D2) x 1	2,4 4
5	Main PWB	1. Screw.....(E1) x 4 2. Flat Cable.....(E2) x 1 3. Socket.....(E3) x 5	4
6	Power PWB	1. Screw.....(F1) x 4	4
7	Front Panel	1. Screw.....(G1) x 2	4
8	Display PWB	1. Knob.....(H1) x 1 2. Screw.....(H2) x 8	5
9	Tape Mechanism	1. Screw.....(J1) x 4	5
10	Headphones PWB	1. Screw.....(K1) x 1	5
11	CD Servo PWB (Note 2)	1. Screw.....(L1) x 4 2. Flat Cable.....(L2) x 1 3. Socket.....(L3) x 2	6 6,7
12	CD Player Unit	1. Screw.....(M1) x 4	6
13	CD Mechanism	1. Screw.....(N1) x 4	7

Note 1: How to open the changer manually. (Fig. 3)

When CD tray doesn't come out even if the power is turned on, push a right lever with the screwdriver and others.

Note 2:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

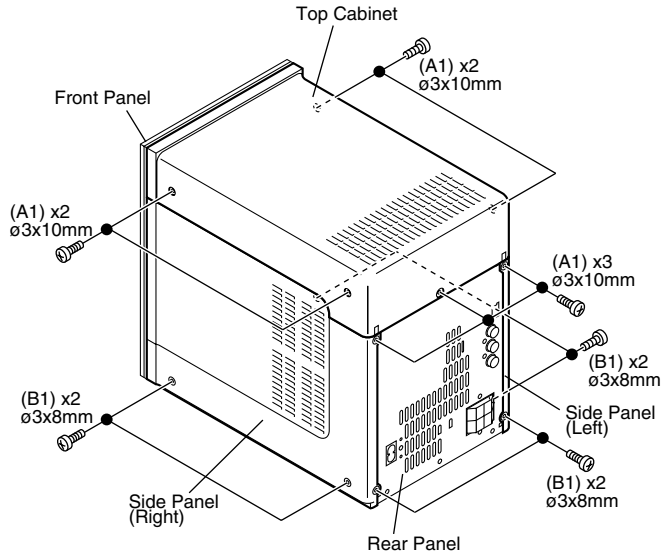


Figure 1

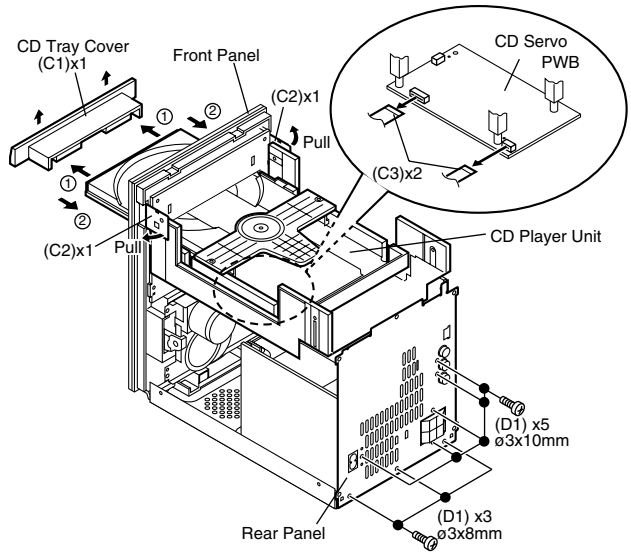


Figure 2

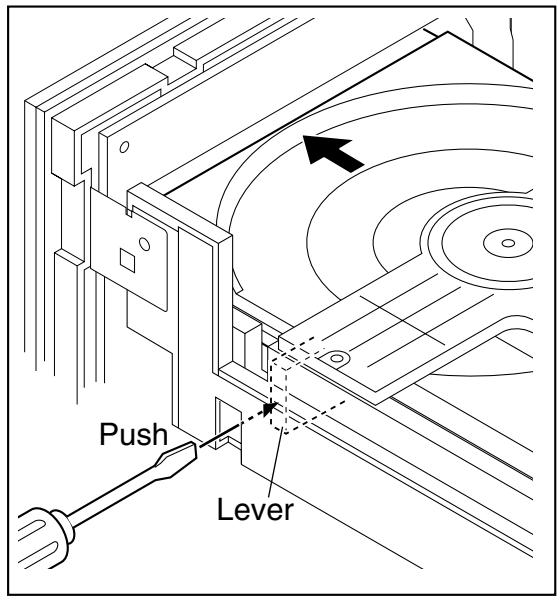


Figure 3

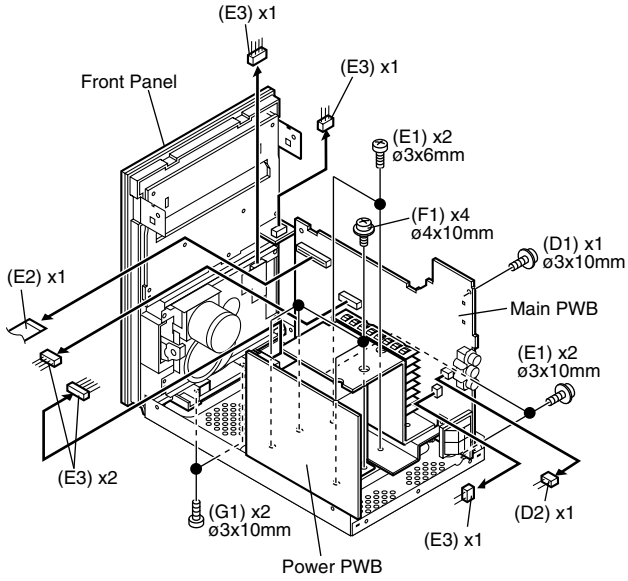


Figure 4

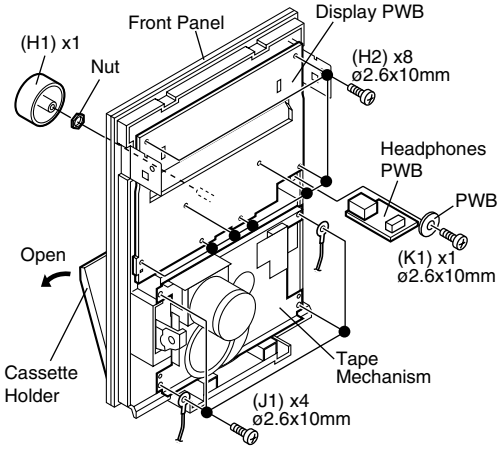


Figure 5

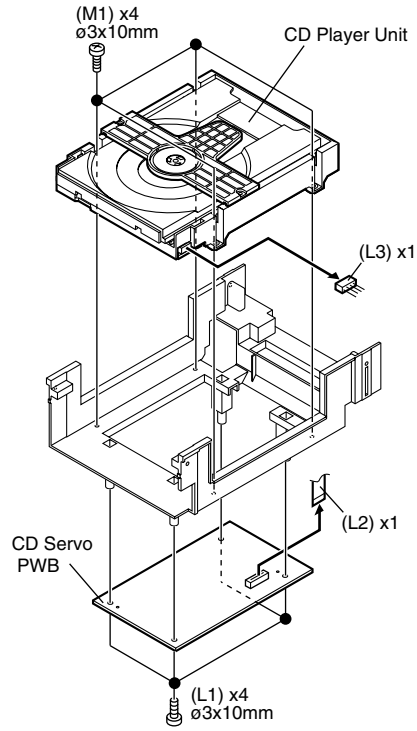


Figure 6

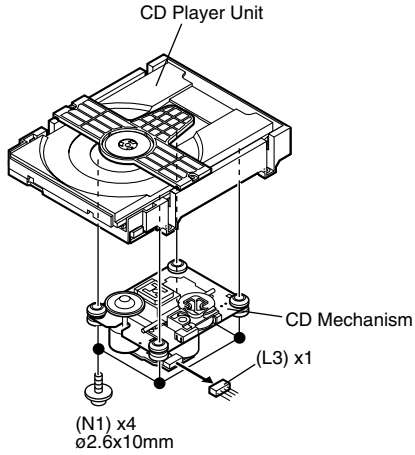


Figure 7

—**MEMO**—

CHAPTER 4. DIAGRAMS

[1] BLOCK DIAGRAM

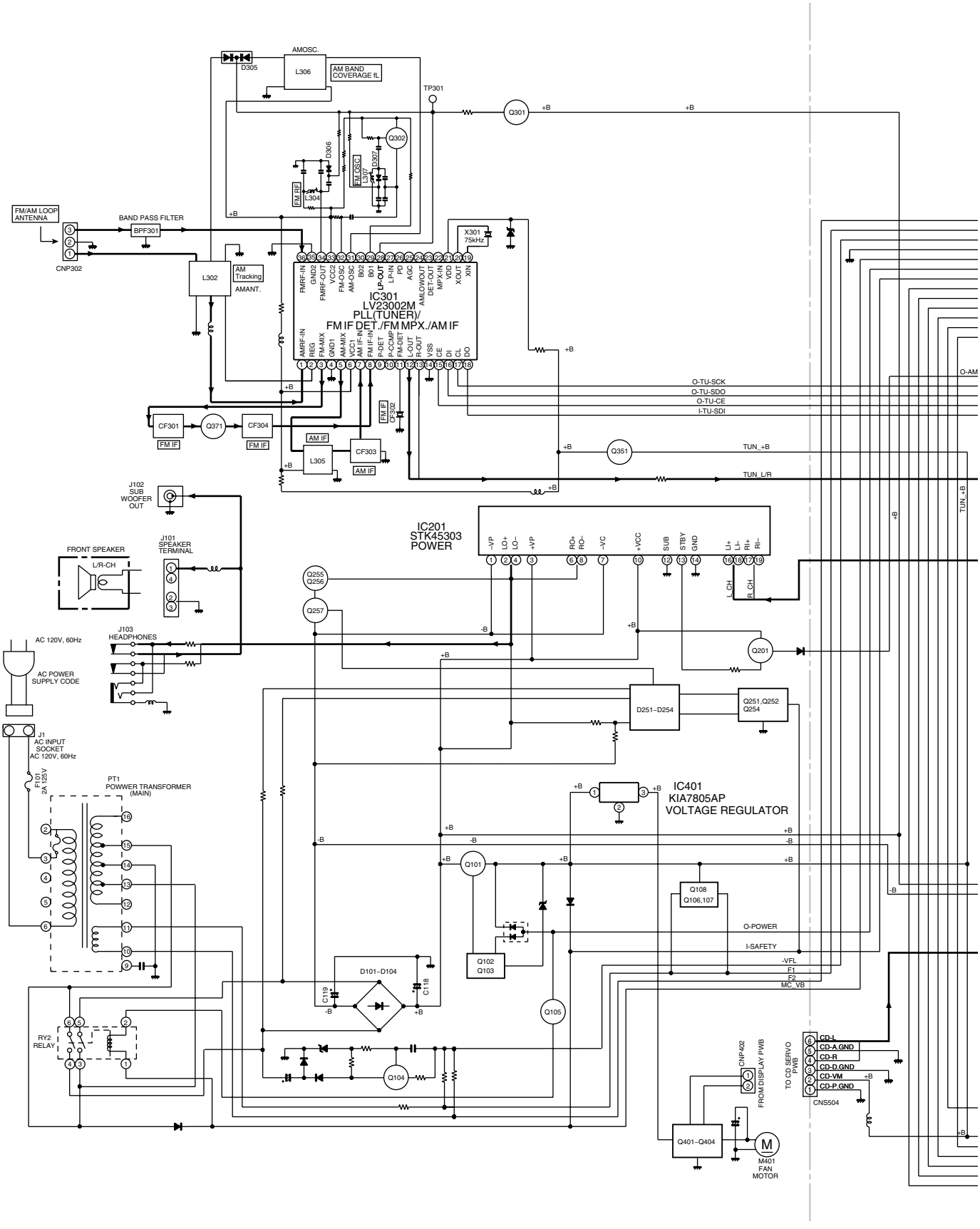


Figure 4-1 BLOCK DIAGRAM (1/5)

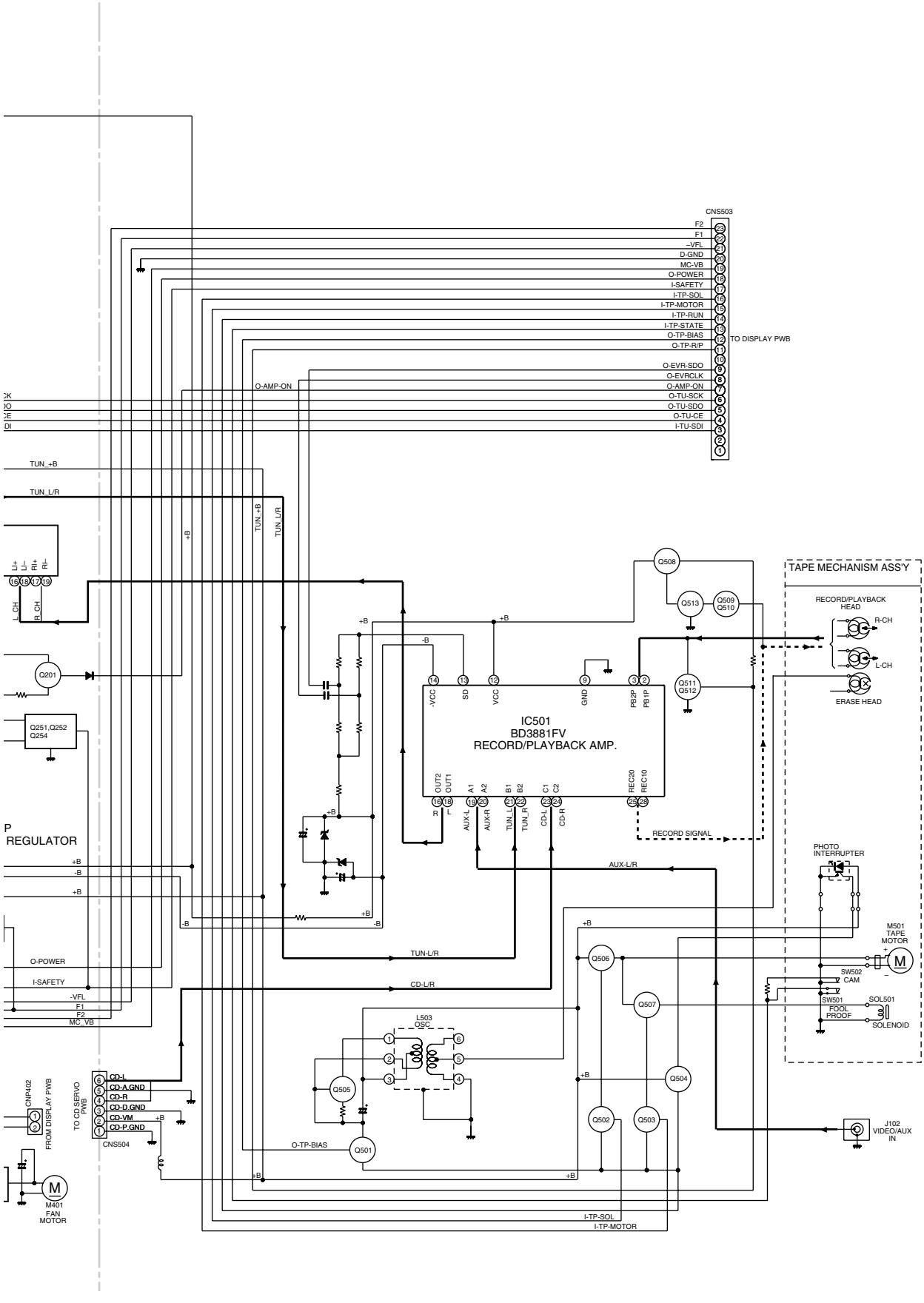


Figure 4-2 BLOCK DIAGRAM (2/5)

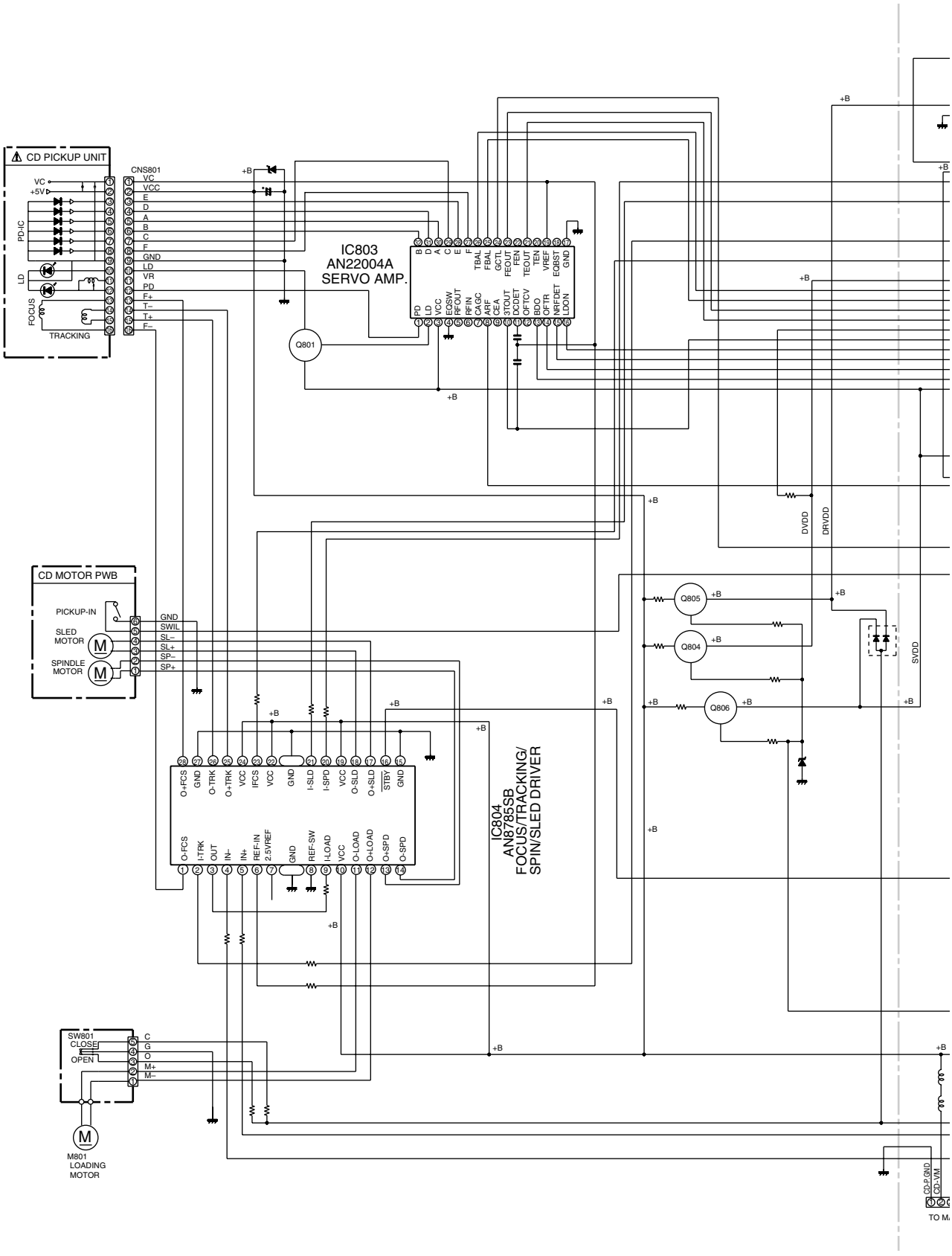


Figure 4-3 BLOCK DIAGRAM (3/5)

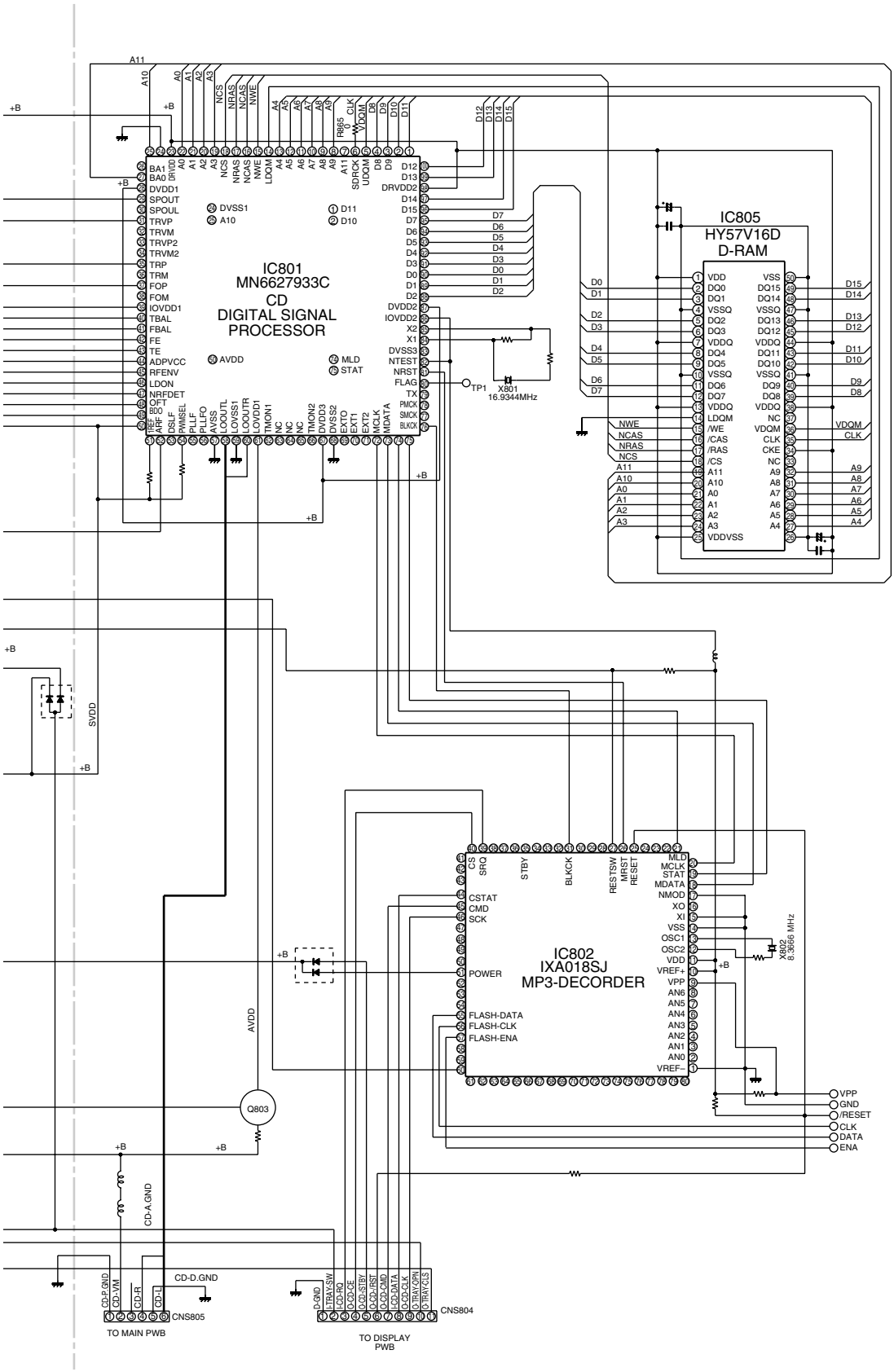


Figure 4-4 BLOCK DIAGRAM (4/5)

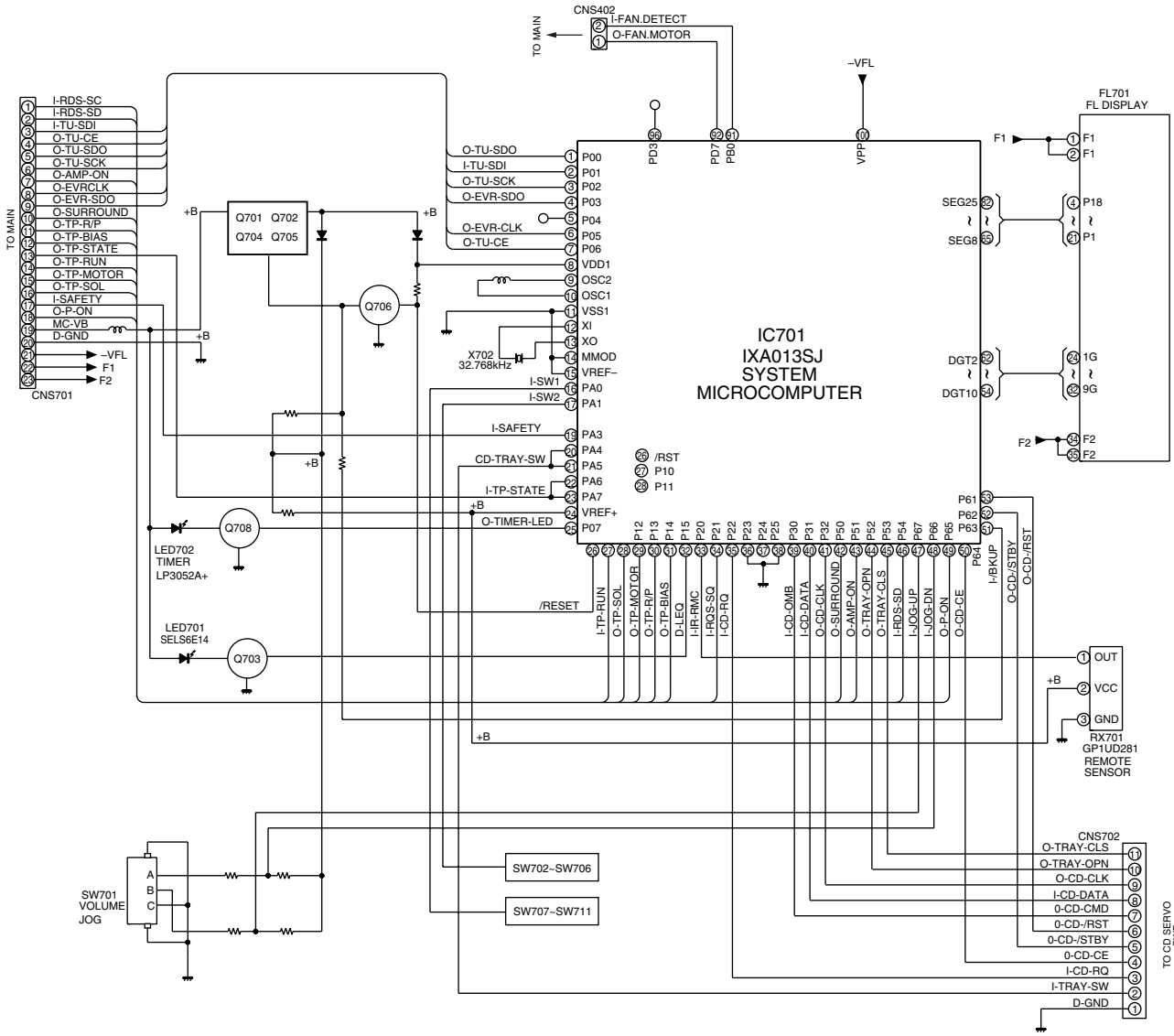
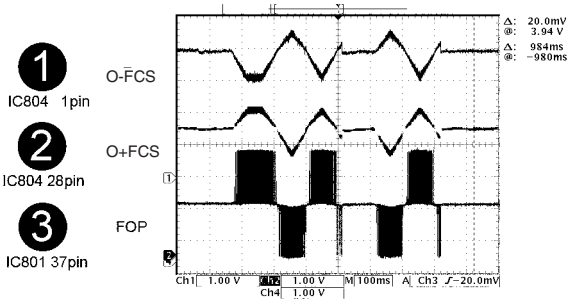


Figure 4-5 BLOCK DIAGRAM (5/5)

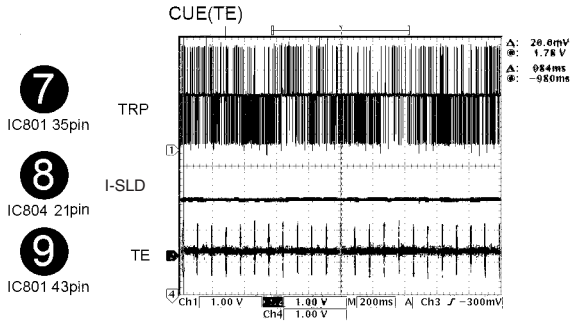
CHAPTER 5. CIRCUIT DESCRIPTION

[1] WAVEFORMS OF CD CIRCUIT

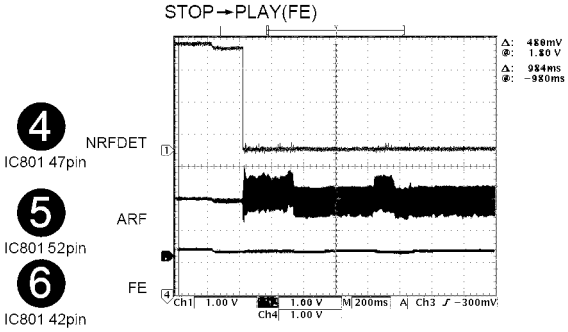
NO DISC FOCUS SEARCH



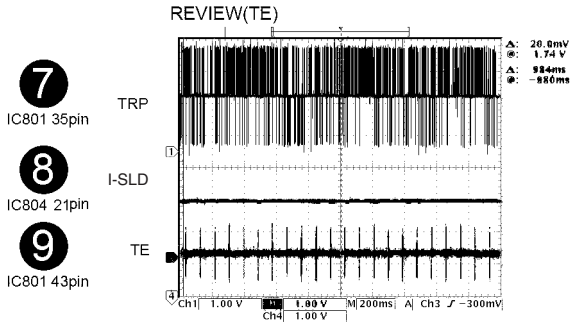
CUE(TE)



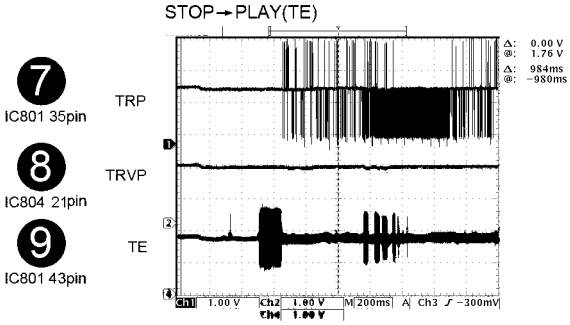
STOP→PLAY(FE)



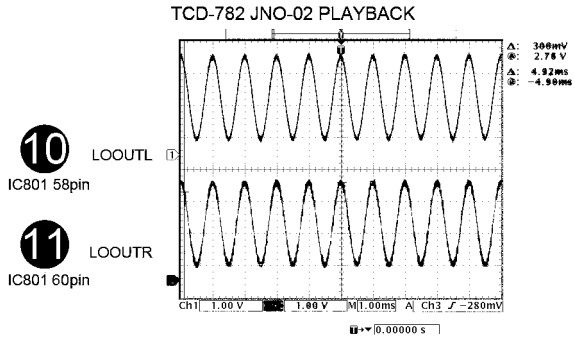
REVIEW(TE)



STOP→PLAY(TE)



TCD-782 JNO-02 PLAYBACK



[2] VOLTAGE

IC201	
PIN NO.	VOLTAGE
1	-23.1 V
2	0 V
3	22.6 V
4	0 V
5	0 V
6	0 V
7	-21.6 V
8	0 V
9	0 V
10	21.2 V
11	0 V
12	0 V
13	0.65 V
14	0 V
15	0 V
16	0 V
17	0 V
18	0 V
19	0 V

IC301	
PIN NO.	VOLTAGE
1	0 V
2	2.22 V
3	2.24 V
4	0 V
5	4.66 V
6	4.66V
7	2.19 V
8	2.21 V
9	3.69 V
10	3.55 V
11	2.54 V
12	2.16 V
13	2.15 V
14	0 V
15	0 V
16	3.30 V
17	3.34 V
18	0 V
19	1.66 V
20	1.64 V
21	3.26 V
22	2.20 V
23	2.47 V
24	0.68 V
25	1.40 V
26	1.99 V
27	1.99 V
28	3.26 V
29	4.30 V
30	1.26 V
31	4.61 V
32	4.56 V
33	4.57 V
34	3.72 V
35	0 V
36	0.97 V

IC401	
PIN NO.	VOLTAGE
1	8.5 V
2	0 V
3	5.0 V

IC501	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	0 V
10	0 V
11	0 V
12	4.76 V
13	0 V
14	-4.76 V
15	0 V
16	0 V
17	0 V
18	0 V
19	0 V
20	0 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	0 V
28	0 V

IC804	
PIN NO.	VOLTAGE
1	3.96 V
2	1.73 V
3	2.52 V
4	1.54 V
5	1.53 V
6	1.73 V
7	2.52 V
8	0 V
9	2.52 V
10	8.07 V
11	3.91 V
12	3.87 V
13	3.44 V
14	4.25 V
15	0 V
16	2.86 V
17	3.74 V
18	3.90 V
19	8.03 V
20	1.73 V
21	1.72 V
22	0 V
23	8.06 V
24	1.73 V
25	0 V
26	3.87 V
27	0 V
28	3.66 V

IC802	
PIN NO.	VOLTAGE
1	0 V
2	3.48 V
3	3.48 V
4	3.48 V
5	3.48 V
6	3.48 V
7	3.48 V
8	3.48 V
9	3.48 V
10	3.48 V
11	3.48 V
12	1.70 V
13	1.70 V
14	0 V
15	0 V
16	3.48 V
17	0 V
18	0 V
19	0 V
20	3.48 V
21	3.48 V
22	3.48 V
23	3.48 V
24	3.48 V
25	3.33 V
26	3.48 V
27	3.48 V
28	3.48 V
29	3.48 V
30	3.48 V
31	0 V
32	3.48 V
33	3.48 V
34	3.48 V
35	3.27 V
36	3.48 V
37	3.48 V
38	3.48 V
39	3.48 V
40	3.27 V
41	3.48 V
42	3.48 V
43	3.48 V
44	3.48 V
45	0 V
46	3.33 V
47	3.48 V
48	3.48 V
49	3.48 V
50	3.48 V
51	3.48 V
52	3.48 V
53	3.48 V
54	3.48 V
55	3.48 V
56	3.48 V
57	3.48 V
58	3.48 V
59	3.48 V
60	0 V
61	3.48 V
62	3.48 V
63	3.48 V
64	3.48 V
65	3.48 V
66	3.48 V
67	3.48 V
68	3.48 V
69	3.48 V
70	3.48 V
71	3.48 V
72	3.48 V
73	3.48 V
74	3.48 V
75	3.48 V
76	3.48 V
77	3.48 V
78	3.48 V
79	3.48 V
80	0 V

IC805	
PIN NO.	VOLTAGE
1	3.49 V
2	1.17 V
3	1.52 V
4	0 V
5	0.63 V
6	0 V
7	3.49 V
8	0.89 V
9	0.58 V
10	0 V
11	0.83 V
12	0 V
13	3.51 V
14	3.49 V
15	3.51 V
16	3.49 V
17	3.49 V
18	3.48 V
19	2.61 V
20	0 V
21	1.46 V
22	1.20 V
23	1.33 V
24	1.41 V
25	3.51 V
26	0 V
27	2.66 V
28	1.67 V
29	0.62 V
30	0 V
31	0 V
32	0 V
33	3.52 V
34	1.63 V
35	3.49 V
36	0 V
37	3.52 V
38	3.52 V
39	0 V
40	0.64 V
41	0.30 V
42	0.63V
43	0.30 V
44	3.48 V
45	1.88 V
46	0 V
47	0 V
48	1.92 V
49	0 V
50	0 V

IC803	
PIN NO.	VOLTAGE
1	0.21 V
2	2.27 V
3	3.40 V
4	0 V
5	2.04 V
6	2.14 V
7	1.82 V
8	1.59 V
9	1.68 V
10	1.60 V
11	2.10 V
12	0.89 V
13	0.12 V
14	0.13 V
15	0.12 V
16	3.38 V
17	0.14 V
18	1.70 V
19	1.78 V
20	1.78 V
21	1.78 V
22	1.77 V
23	1.78 V
24	0.03 V
25	1.77 V
26	1.76 V
27	1.77 V
28	1.77 V
29	1.78 V
30	1.78 V
31	1.78 V
32	1.78 V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	3.35 V	51	3.4 V
2	3.46 V	52	3.28 V
3	3.34 V	53	3.28 V
4	0 V	54	-18.17 V
5	3.32 V	55	-22.74 V
6	0 V	56	-22.74 V
7	0 V	57	-22.74 V
8	3.35 V	58	-22.74 V
9	1.66 V	59	-22.74 V
10	-	60	-22.74 V
11	0 V	61	-22.74 V
12	1.61 V	62	-22.74 V
13	1.60 V	63	-25.45 V
14	0 V	64	-25.45 V
15	0 V	65	-22.21 V
16	3.44 V	66	-12.52 V
17	3.44 V	67	-25.52 V
18	2.36 V	68	-25.52 V
19	1.03 V	69	-15.51 V
20	1.25 V	70	-25.57 V
21	1.25 V	71	-18.69 V
22	0 V	72	-21.64 V
23	0 V	73	-8.91 V
24	3.45 V	74	-18.18 V
25	0 V	75	-22.70 V
26	3.34 V	76	-18.97 V
27	3.14 V	77	-10.47 V
28	0 V	78	-9.03 V
29	0 V	79	-1.41 V
30	0 V	80	-1.15 V
31	0 V	81	-12.97 V
32	3.2 V	82	-13.90 V
33	3.35 V	83	0.59 V
34	0 V	84	-0.56 V
35	3.45 V	85	-0.89 V
36	0 V	86	-0.81 V
37	0 V	87	-0.76 V
38	0 V	88	-0.36 V
39	0 V	89	-0.65 V
40	3.46 V	90	-0.84 V
41	3.34 V	91	0 V
42	0 V	92	3.24 V
43	0 V	93	2.43 V
44	0 V	94	2.96 V
45	0 V	95	2.96 V
46	0 V	96	2.83 V
47	3.2 V	97	3.33 V
48	3.2 V	98	0 V
49	0 V	99	2.56 V
50	2.5 V	100	-25.97 V

IC801			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0.33 V	51	0.86 V
2	1.27 V	52	1.71 V
3	1.32 V	53	1.71 V
4	1.89 V	54	3.36 V
5	3.49 V	55	1.75 V
6	1.62 V	56	1.46 V
7	0.04 V	57	0 V
8	0.05 V	58	0 V
9	0.04 V	59	0 V
10	2.53 V	60	1.75 V
11	2.29 V	61	3.48 V
12	1.93 V	62	0 V
13	1.52 V	63	0 V
14	3.48 V	64	0 V
15	3.50 V	65	0 V
16	3.48 V	66	0 V
17	3.48 V	67	1.52 V
18	3.47 V	68	0 V
19	1.90 V	69	0 V
20	1.69 V	70	0 V
21	2.22 V	71	0 V
22	1.25 V	72	3.23 V
23	0 V	73	1.42 V
24	0 V	74	3.34 V
25	0 V	75	0.41 V
26	0 V	76	0 V
27	3.50 V	77	0 V
28	1.53 V	78	0.69 V
29	1.62 V	79	1.74 V
30	0 V	80	0.03 V
31	1.72 V	81	3.48 V
32	0 V	82	3.49 V
33	0 V	83	0 V
34	0 V	84	1.70 V
35	1.68 V	85	3.48 V
36	0 V	86	3.45 V
37	1.50 V	87	1.53 V
38	0 V	88	0.03 V
39	3.46 V	89	0 V
40	1.71 V	90	0 V
41	1.70 V	91	0 V
42	1.73 V	92	0 V
43	1.77 V	93	0 V
44	1.75 V	94	0 V
45	1.60 V	95	0 V
46	3.38 V	96	0 V
47	3.17 V	97	0 V
48	0.20 V	98	3.49 V
49	0.16 V	99	0 V
50	3.34 V	100	0 V

Q101	
PIN NO.	VOLTAGE
E	15.6 V
C	8.5 V
B	14.9 V

Q102	
PIN NO.	VOLTAGE
E	0.2 V
C	13.5 V
B	0.85 V

Q103	
PIN NO.	VOLTAGE
E	0 V
C	0.85 V
B	0.56 V

Q104	
PIN NO.	VOLTAGE
E	-25.8 V
C	-28 V
B	-26 V

Q105	
PIN NO.	VOLTAGE
E	1.74 V
C	2.17 V
B	2.4V

Q106	
PIN NO.	VOLTAGE
E	-23.4 V
C	-22.8 V
B	-23.4 V

Q107	
PIN NO.	VOLTAGE
E	-23.4 V
C	-22.8 V
B	-23.4 V

Q108	
PIN NO.	VOLTAGE
E	8.5 V
C	7.9 V
B	8.5 V

Q201	
PIN NO.	VOLTAGE
E	2.76 V
C	32 V
B	3.3 V

Q251	
PIN NO.	VOLTAGE
E	0 V
C	1.1 V
B	0 V

Q252	
PIN NO.	VOLTAGE
E	-
C	0.4 V
B	0 V

Q254	
PIN NO.	VOLTAGE
E	1 V
C	0 V
B	1 V

Q256	
PIN NO.	VOLTAGE
E	0 V
C	35 V
B	0 V

Q257	
PIN NO.	VOLTAGE
E	-35 V
C	0 V
B	-35 V

Q301	
PIN NO.	VOLTAGE
E	10.7 V
C	12.7 V
B	11.26 V

Q305	
PIN NO.	VOLTAGE
E	0 V
C	4.16 V
B	0 V

Q351	
PIN NO.	VOLTAGE
E	4.76 V
C	8.05 V
B	5.42 V

Q371	
PIN NO.	VOLTAGE
E	0.07 V
C	3.41 V
B	0.8 V

Q401	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.65 V

Q402	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.61 VV

Q403	
PIN NO.	VOLTAGE
E	0 V
C	1.27 V
B	0.26 V

Q404	
PIN NO.	VOLTAGE
E	5.01 V
C	4.60 V
B	4.22 V

Q501	
PIN NO.	VOLTAGE
E	0 V
C	8.3 V
B	0 V

Q502	
PIN NO.	VOLTAGE
E	0 V
C	0V
B	0.65 V

Q503	
PIN NO.	VOLTAGE
E	0 V
C	8.4 V
B	0 V

Q504	
PIN NO.	VOLTAGE
E	3.4 V
C	3 V
B	2.6 V

Q505	
PIN NO.	VOLTAGE
E	8.2 V
C	8.5 V
B	8.49 V

Q506	
PIN NO.	VOLTAGE
E	8.5 V
C	8.44 V
B	7.76 V

Q507	
PIN NO.	VOLTAGE
E	8.4 V
C	0 V
B	8.4 V

Q508	
PIN NO.	VOLTAGE
E	0.94 V
C	0.75 V
B	0.3 V

Q509	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.62 V

Q510	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0 V

Q511	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0 V

Q512	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0 V

Q513	
PIN NO.	VOLTAGE
E	0 V
C	0.57 V
B	0 V

Q701	
PIN NO.	VOLTAGE
E	0.01 V
C	0 V
B	0.66 V

Q702	
PIN NO.	VOLTAGE
E	4.0 V
C	7.7 V
B	4.7 V

Q703	
PIN NO.	VOLTAGE
E	3.05 V
C	2.4 V
B	2.34 V

Q704	
PIN NO.	VOLTAGE
E	0.01 V
C	4.8 V
B	0.6 V

Q705	
PIN NO.	VOLTAGE
E	0.05 V
C	3.4 V
B	0.03 V

Q706	
PIN NO.	VOLTAGE
E	0 V
C	3.3 V
B	-

Q708	
PIN NO.	VOLTAGE
E	0 V
C	6.7 V
B	0 V

Q801	
PIN NO.	VOLTAGE
E	2.9 V
C	1.8 V
B	2.2 V

Q803	
PIN NO.	VOLTAGE
E	3.4 V
C	7.2 V
B	4.1 V

Q804	
PIN NO.	VOLTAGE
E	3.4 V
C	6.2 V
B	4.1 V

Q805	
PIN NO.	VOLTAGE
E	3.5 V
C	7.9 V
B	4.1 V

Q806	
PIN NO.	VOLTAGE
E	3.4 V
C	5.1 V
B	4.1 V

—**MEMO**—

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] NOTES ON SCHEMATIC DIAGRAM

- Resistor:

  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.

- Capacitor:

  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.

  (CH), (TH), (RH), (UJ): Temperature compensation

  (ML): Mylar type

  (P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

1. In the tuner section,

   ( ) indicates AM

   < > indicates FM stereo

2. In the main section, a tape is being played back.
3. In the deck section, a tape is being played back.

   ( ) indicates the record state.

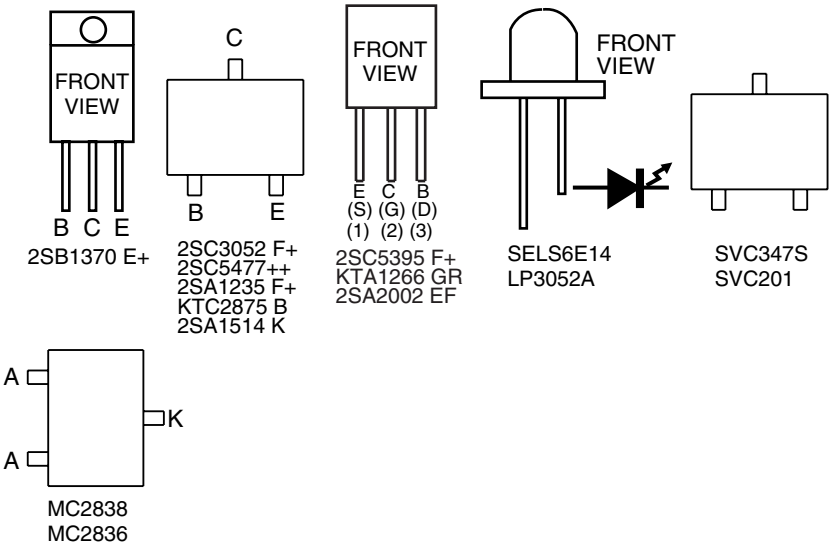
4. In the power section, a tape is being played back.
5. In the CD section, the CD is stopped.

- Parts marked with “ ⚠ ” (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

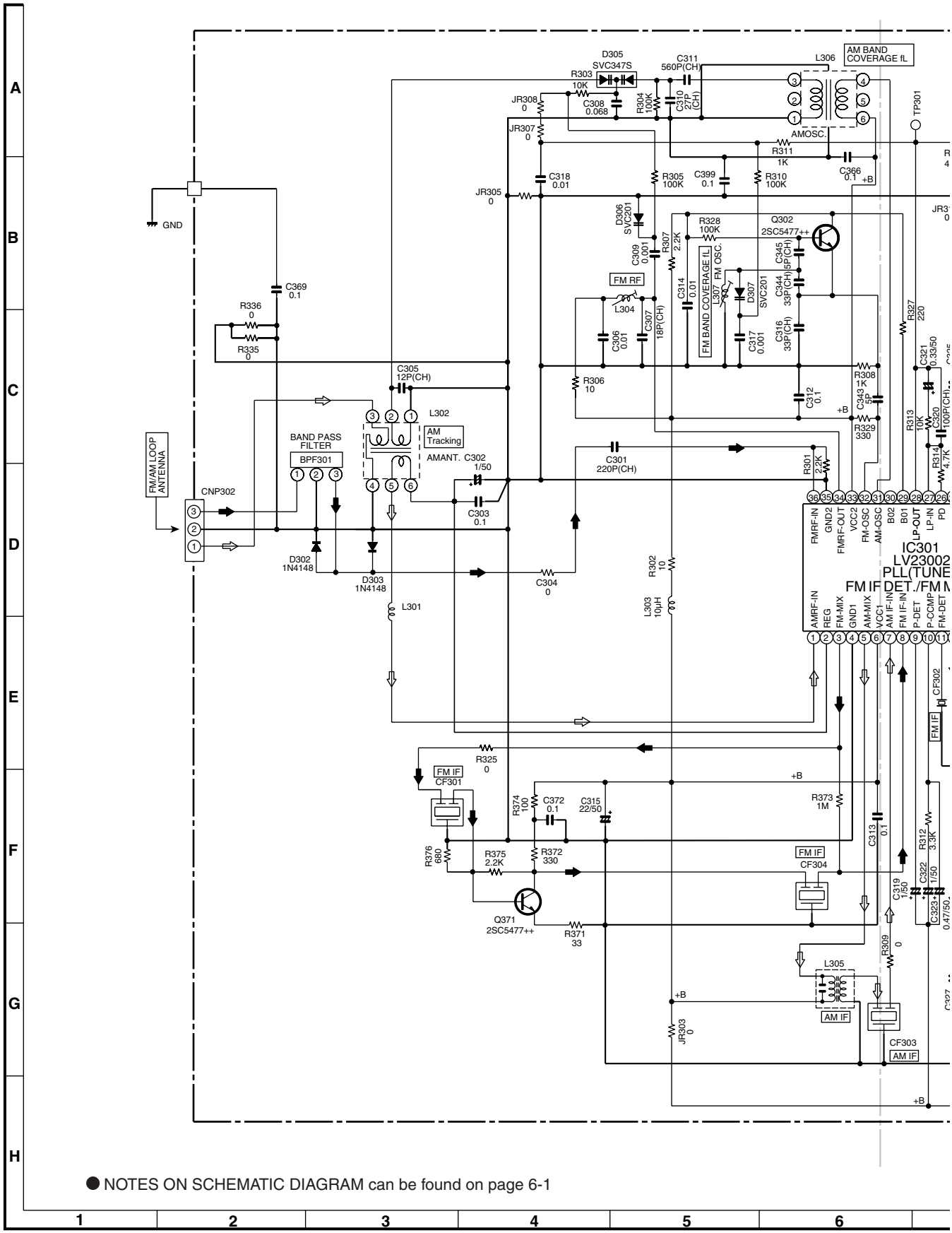
REF. NO	DESCRIPTION	POSITION
SW501	FOOL PROOF	ON—OFF
SW502	CAM	ON—OFF
SW701	VOLUME	ON—OFF
SW702	POWER ON/STAND-BY	ON—OFF
SW703	FUNCTION	ON—OFF
SW704	BASS/TRBLE	ON—OFF
SW705	MEMORY/SET	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW706	OPEN/CLOSE	ON—OFF
SW707	TUNING UP	ON—OFF
SW708	TUNING DOWN	ON—OFF
SW709	PRESET UP	ON—OFF
SW710	PRESET DOWN	ON—OFF
SW711	TAPE REC/PAUSE	ON—OFF
SW801	OPEN/CLOSE	ON—OFF

[2] TYPES OF TRANSISTOR AND LED

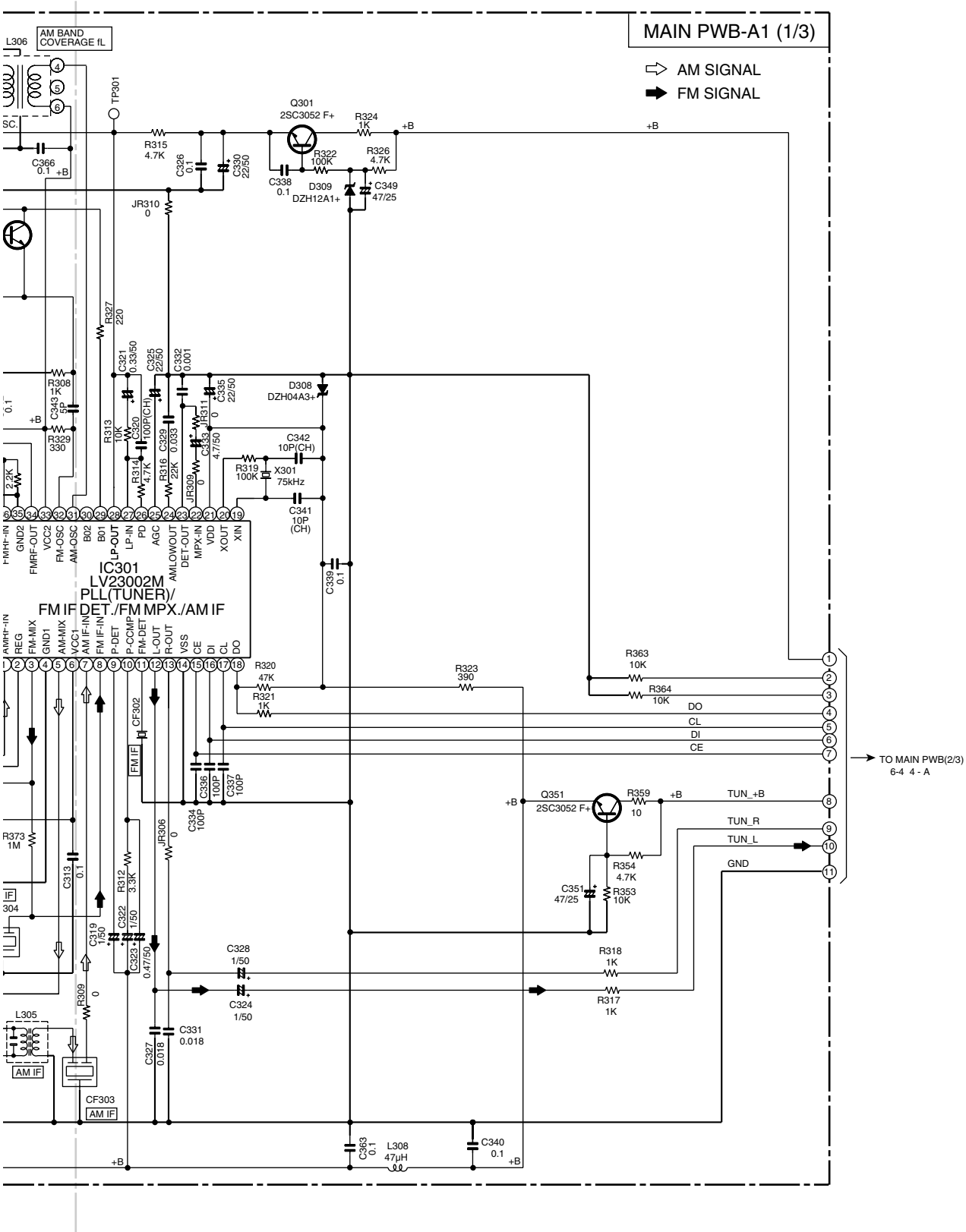


[3] WIRING SIDE OF PWB/SCHEMATIC DIAGRAM



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-2 SCHEMATIC DIAGRAM (1/10)



6	7	8	9	10	11	12

Figure 6-3 SCHEMATIC DIAGRAM (2/10)

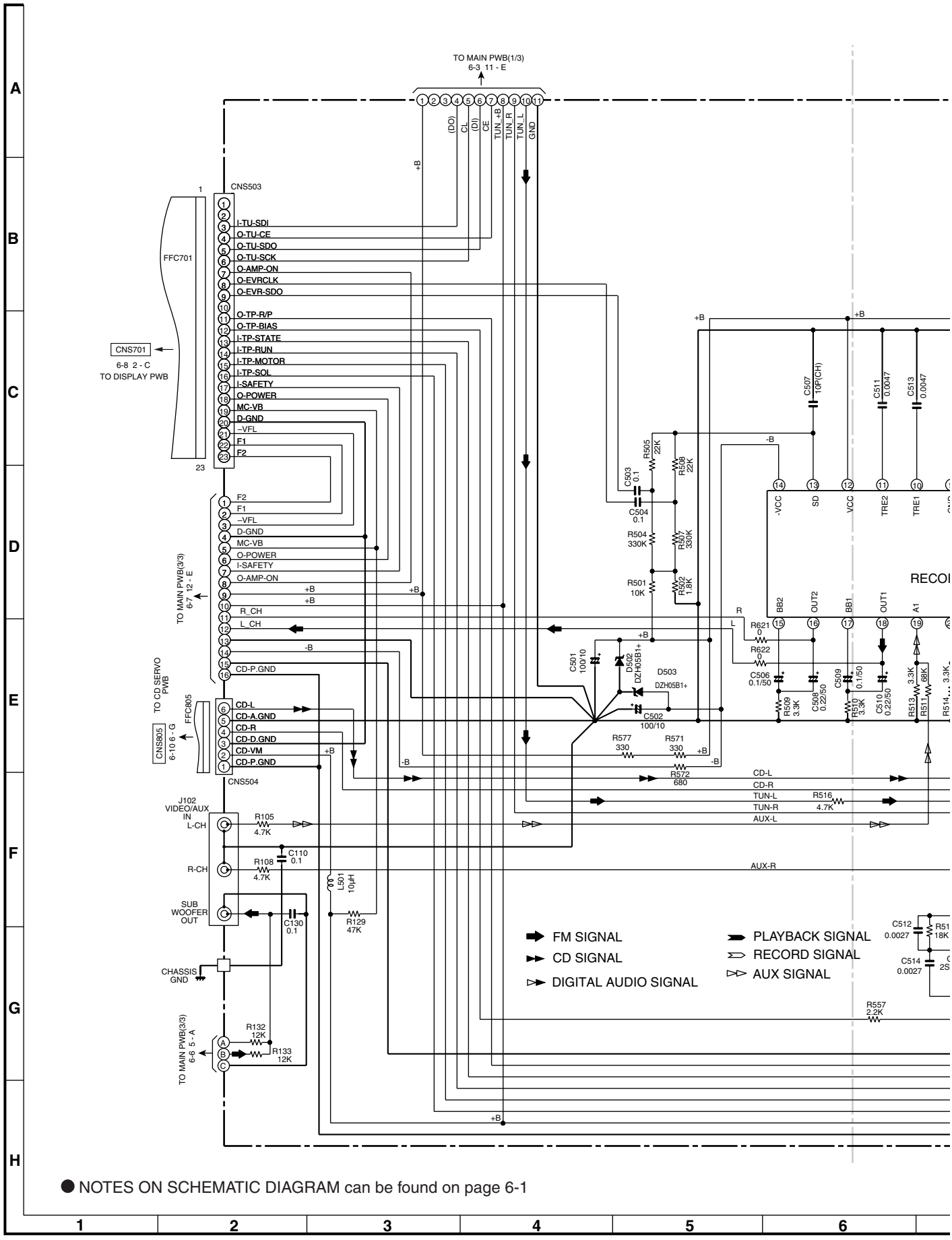
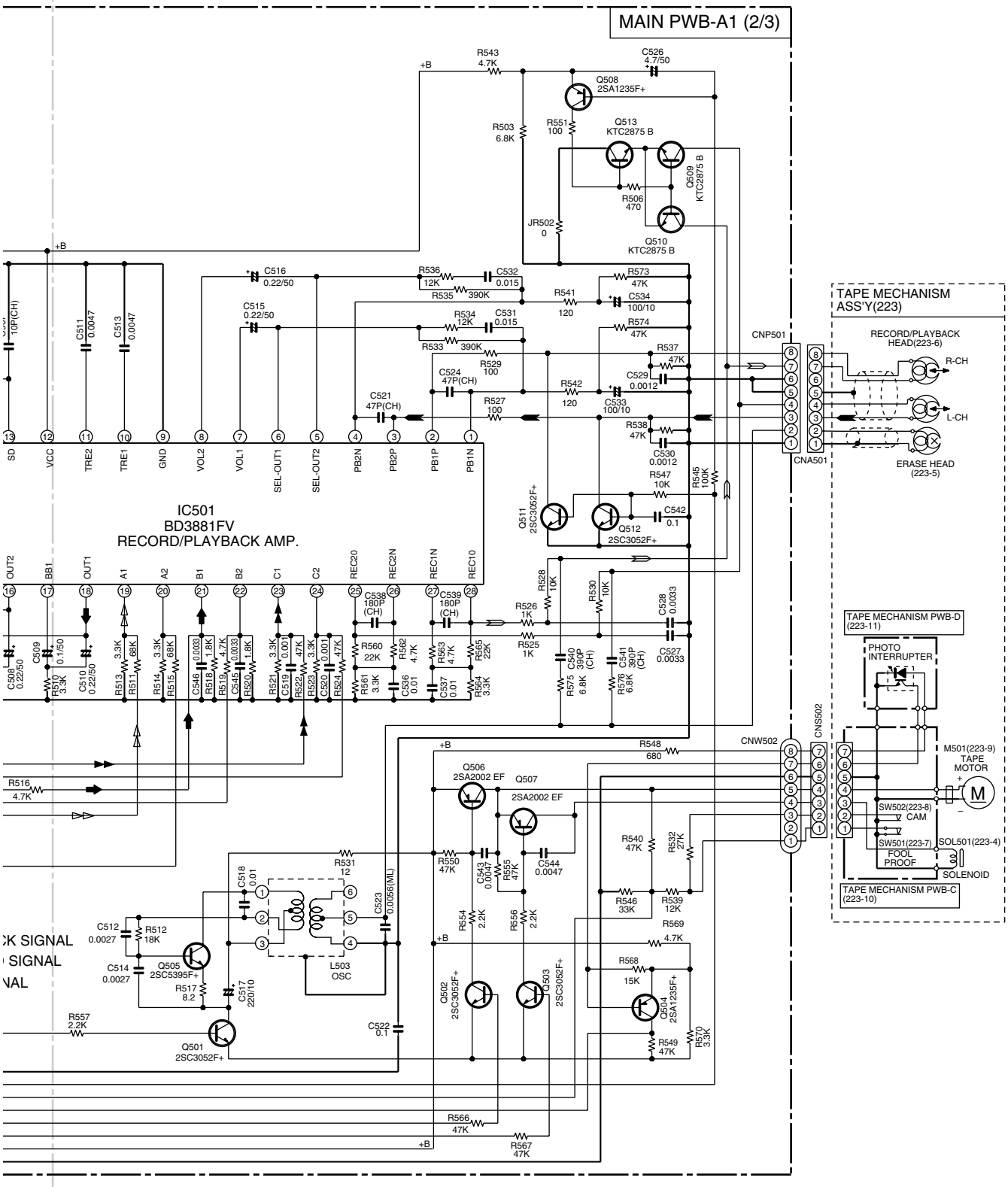


Figure 6-4 SCHEMATIC DIAGRAM (3/10)



6	7	8	9	10	11	12

Figure 6-5 SCHEMATIC DIAGRAM (4/10)

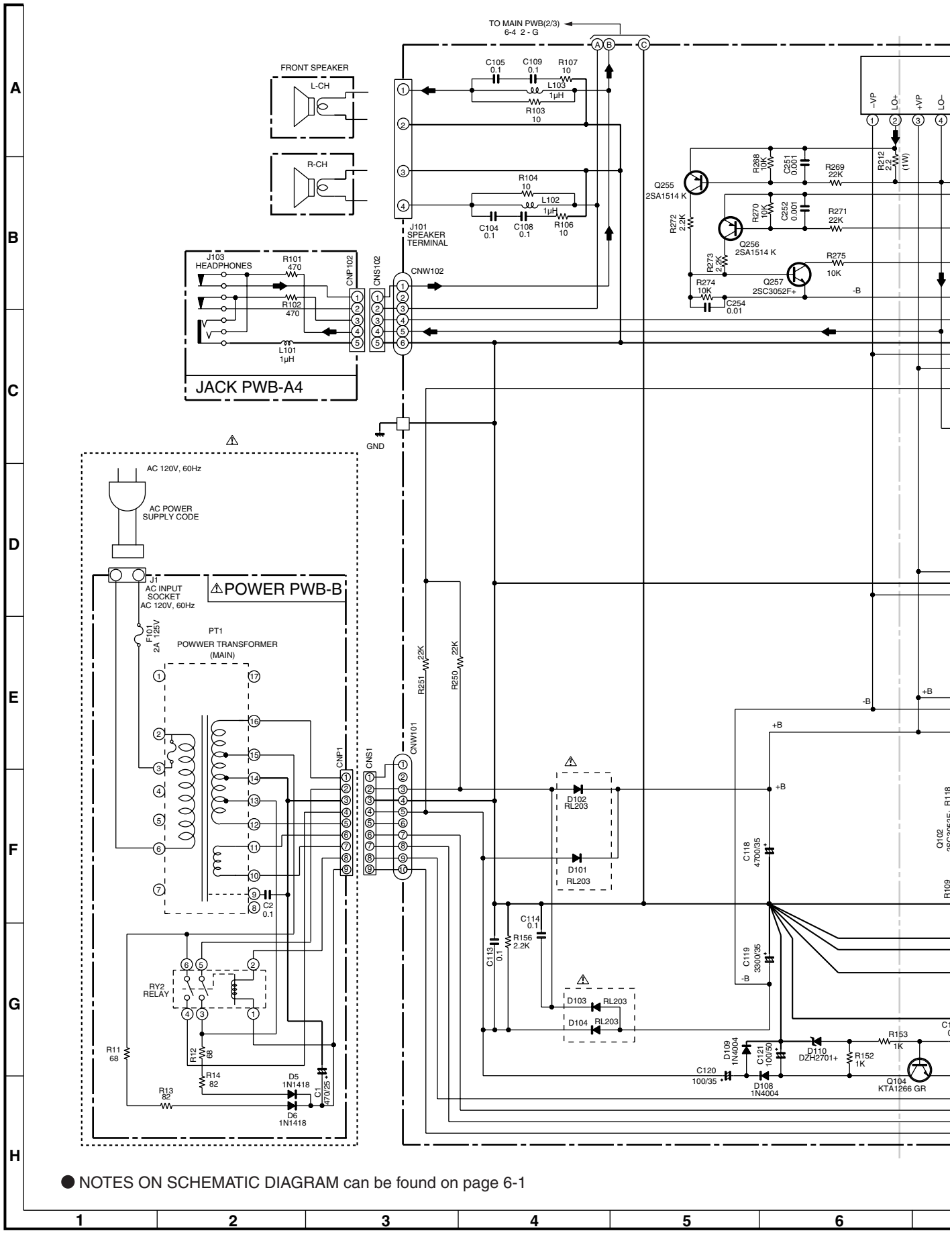
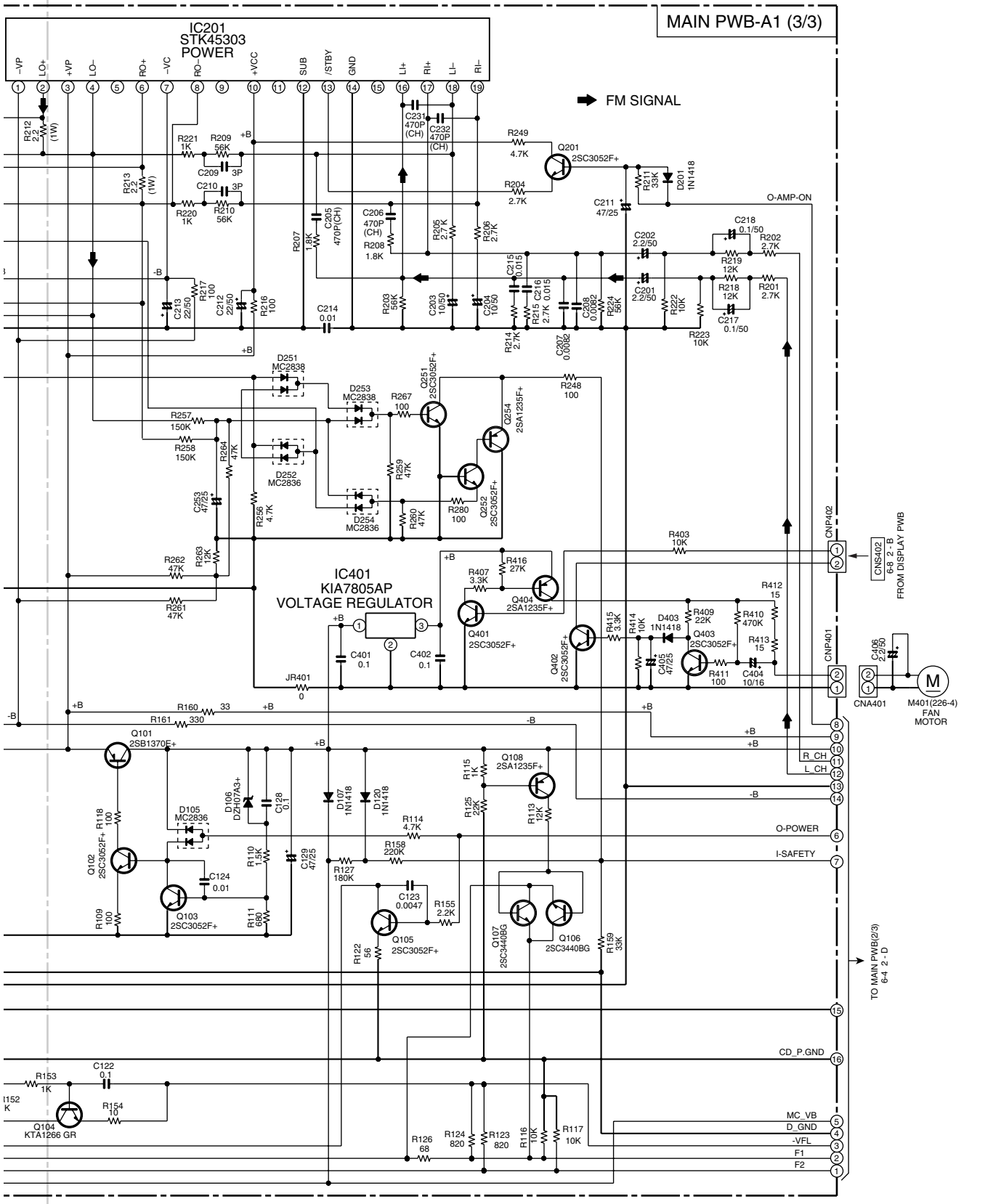


Figure 6-6 SCHEMATIC DIAGRAM (5/10)



7	8	9	10	11	12

Figure 6-7 SCHEMATIC DIAGRAM (6/10)

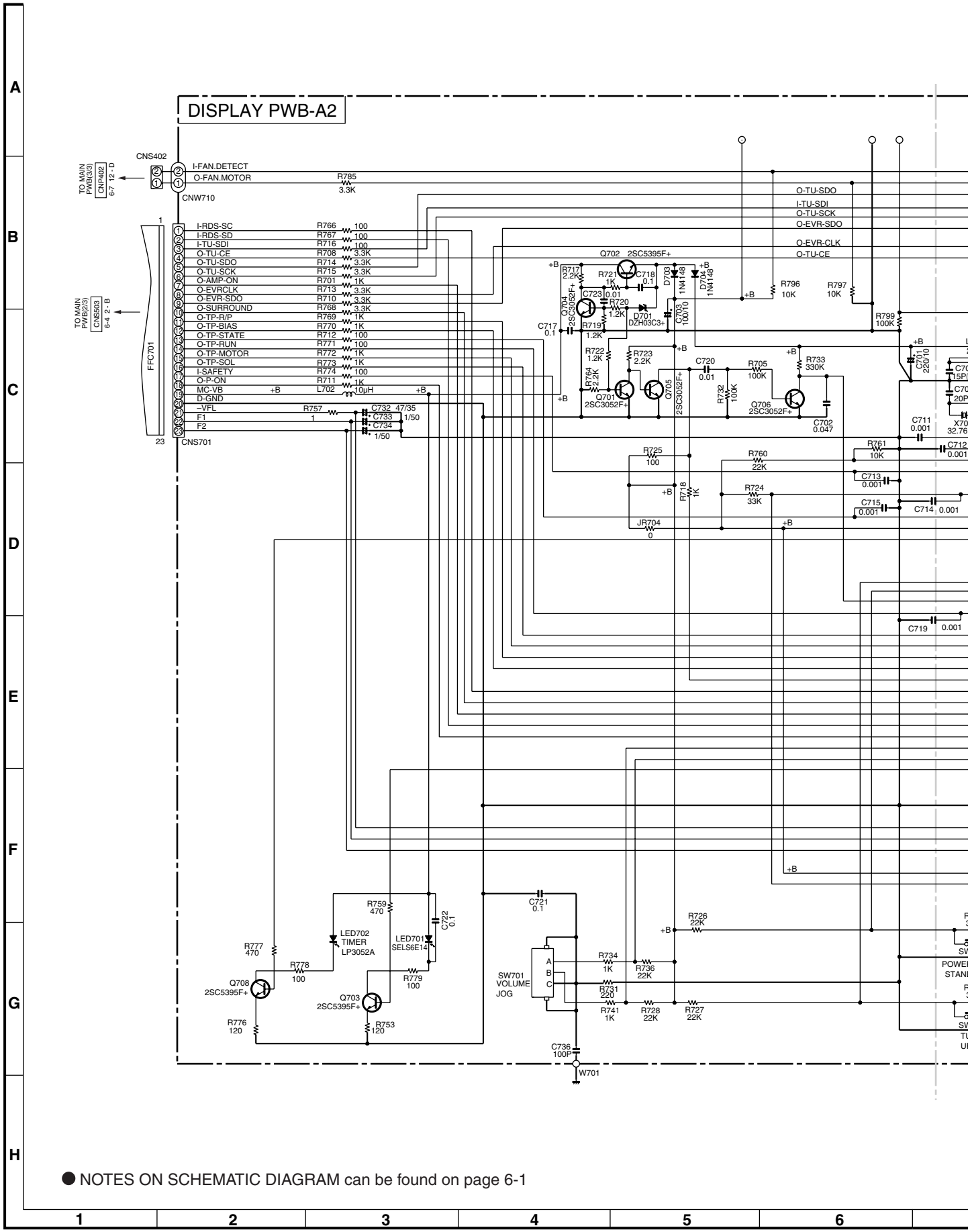


Figure 6-8 SCHEMATIC DIAGRAM (7/10)

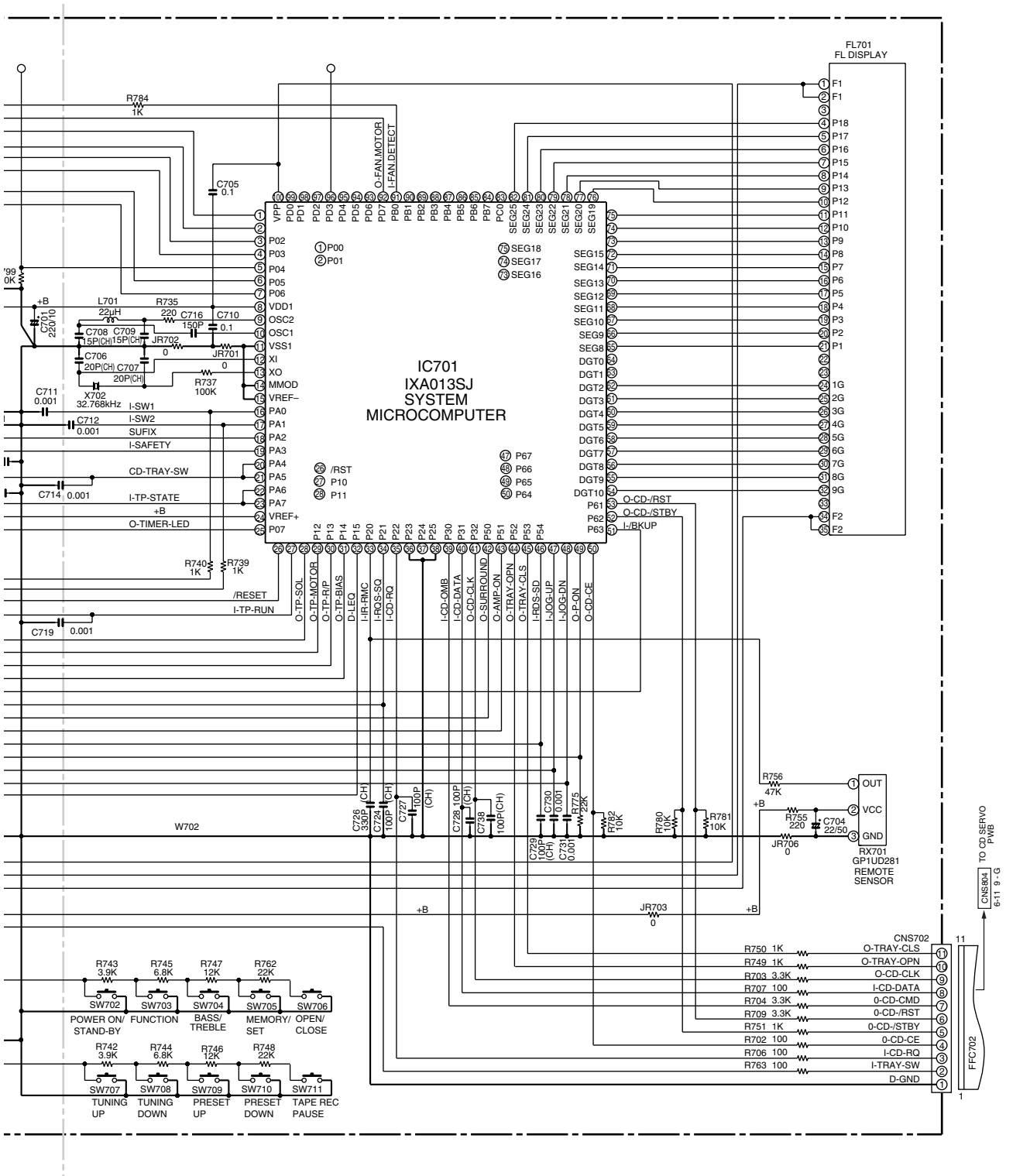
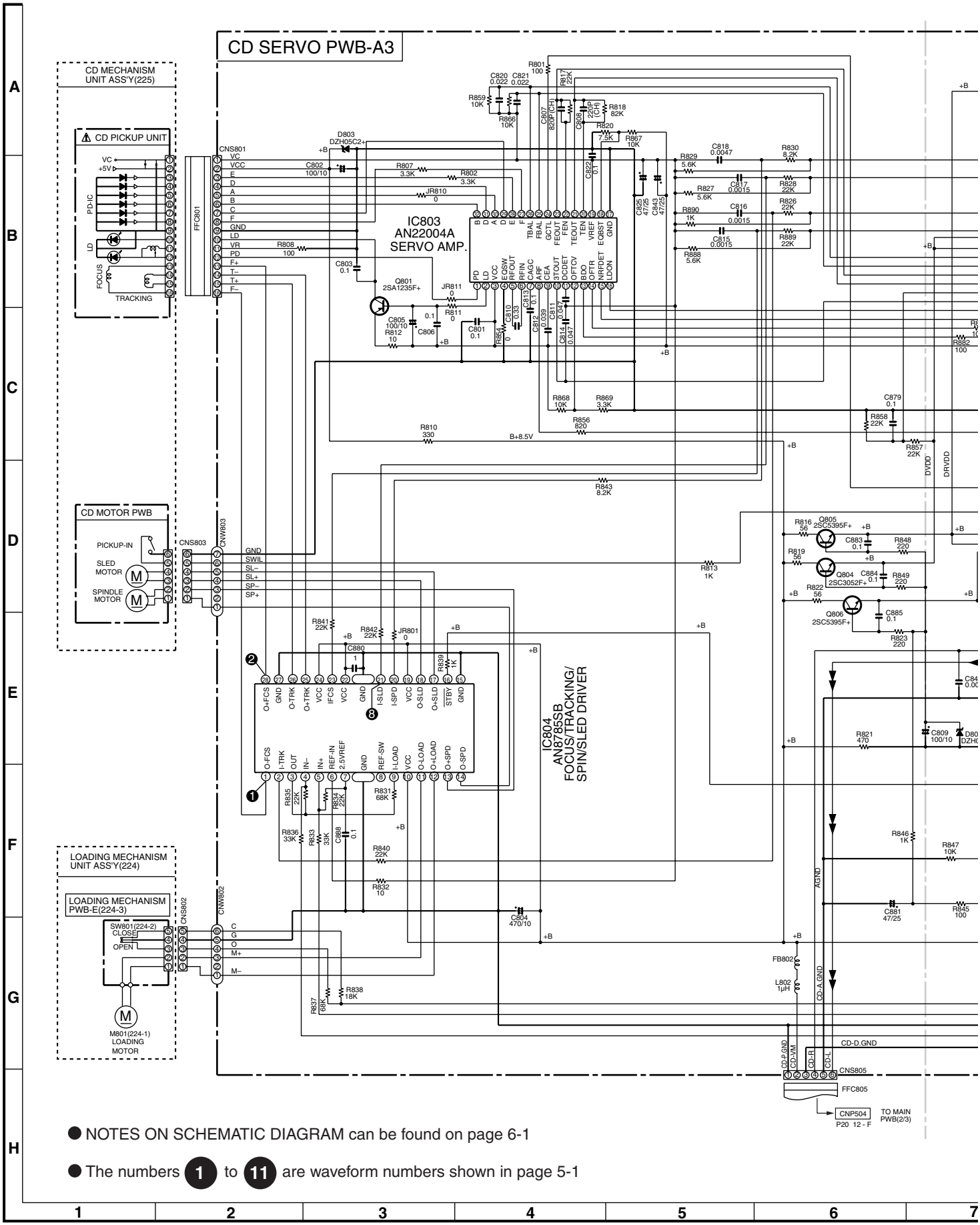


Figure 6-9 SCHEMATIC DIAGRAM (8/10)



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

● The numbers ❶ to ⓫ are waveform numbers shown in page 5-1

Figure 6-10 SCHEMATIC DIAGRAM (9/10)

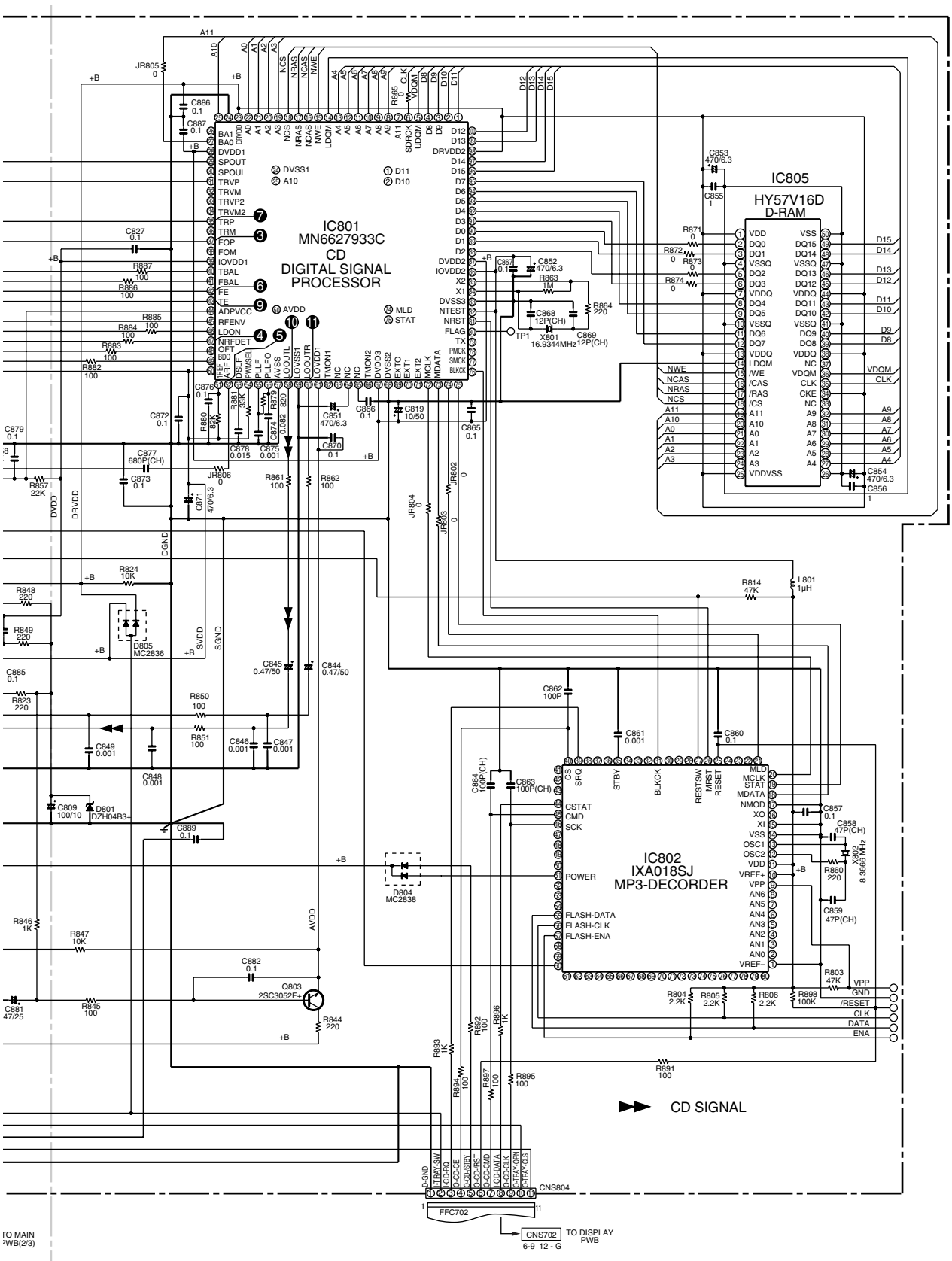


Figure 6-11 SCHEMATIC DIAGRAM (10/10)

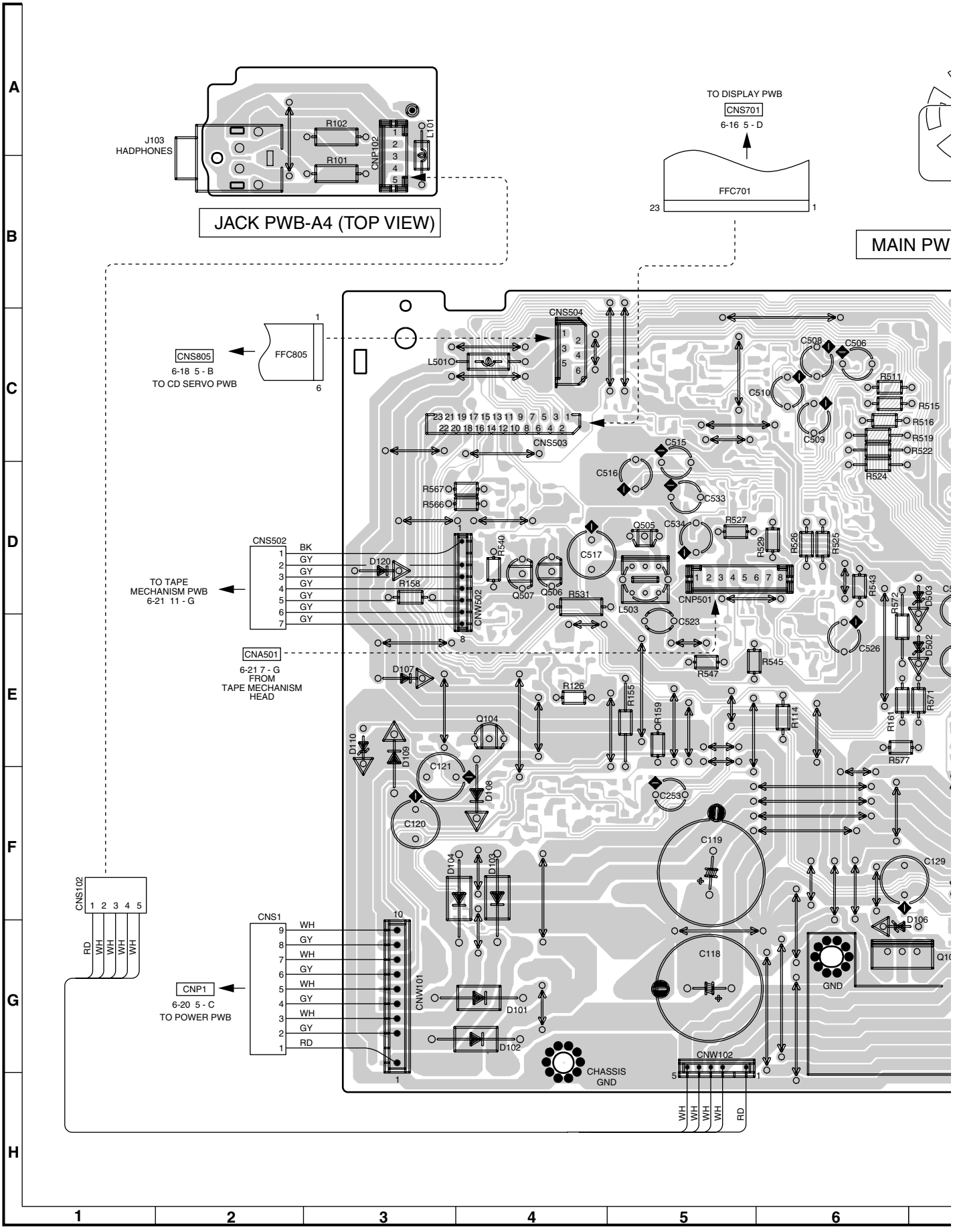
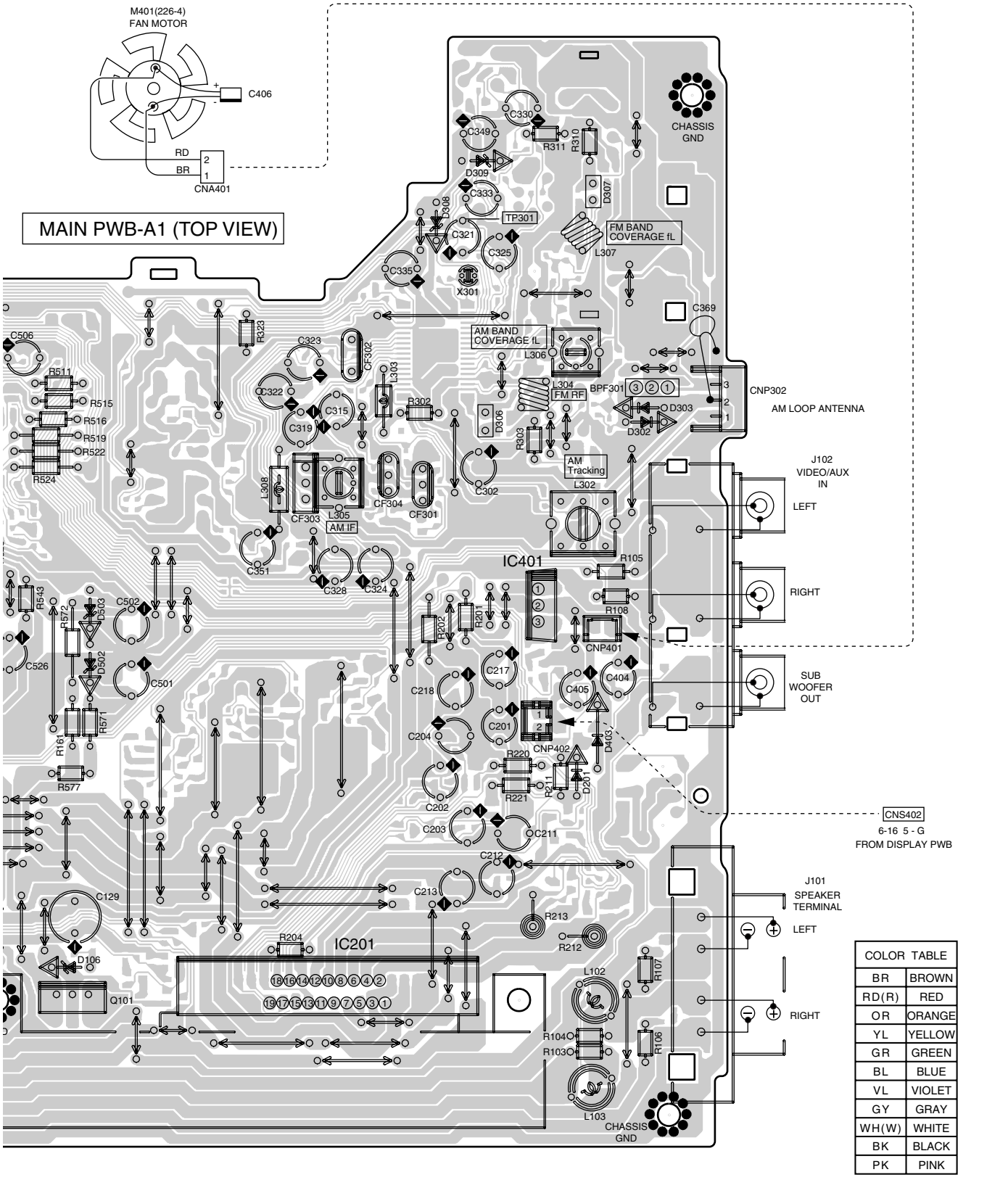


Figure 6-12 WIRING SIDE OF PWB (1/10)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 6-13 WIRING SIDE OF PWB (2/10)

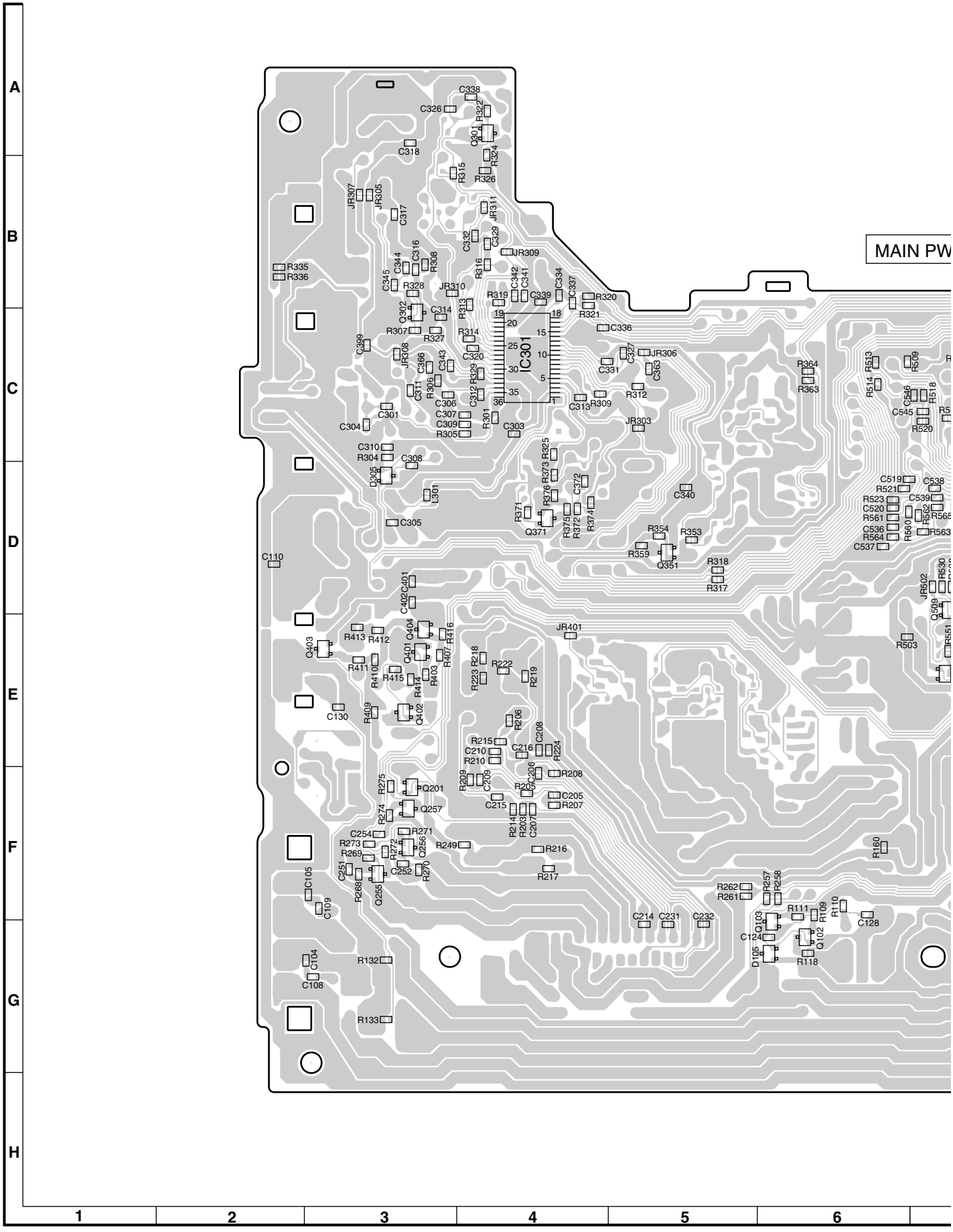
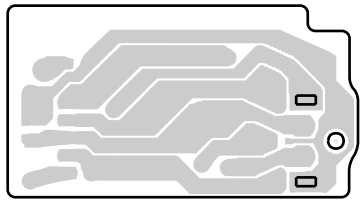
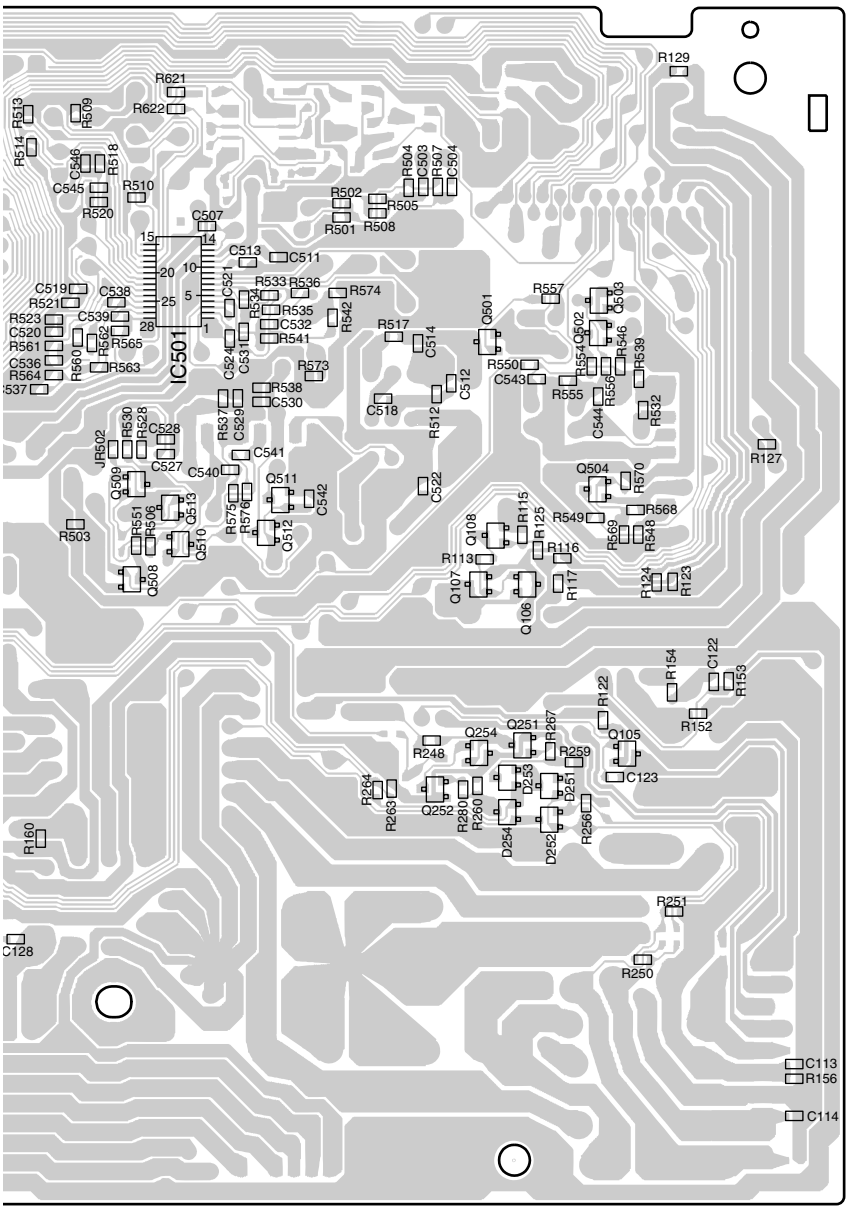


Figure 6-14 WIRING SIDE OF PWB (3/10)



JACK PWB-A4 (BOTTOM VIEW)

MAIN PWB-A1 (BOTTOM VIEW)



	7	8	9	10	11	12

Figure 6-15 WIRING SIDE OF PWB (4/10)

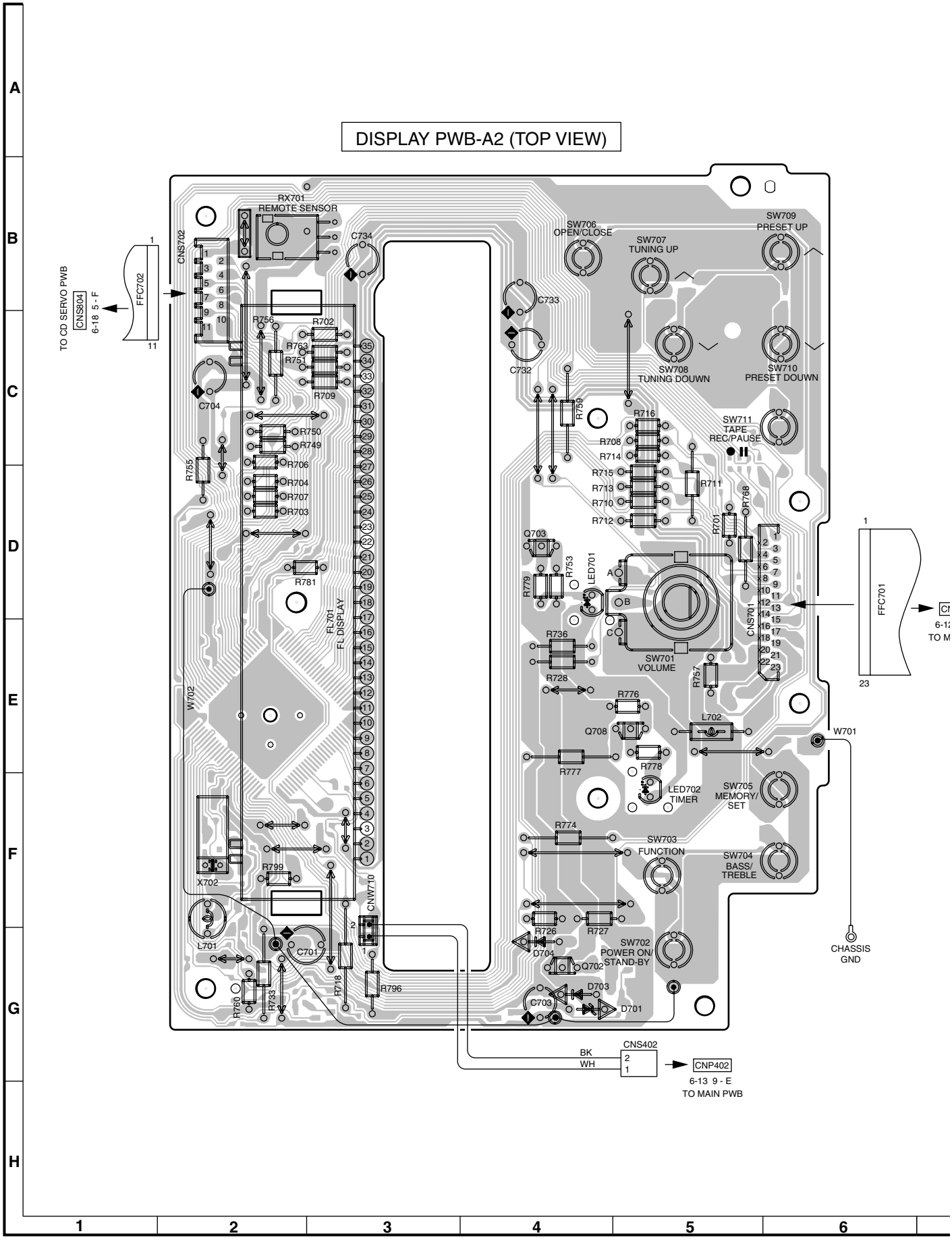
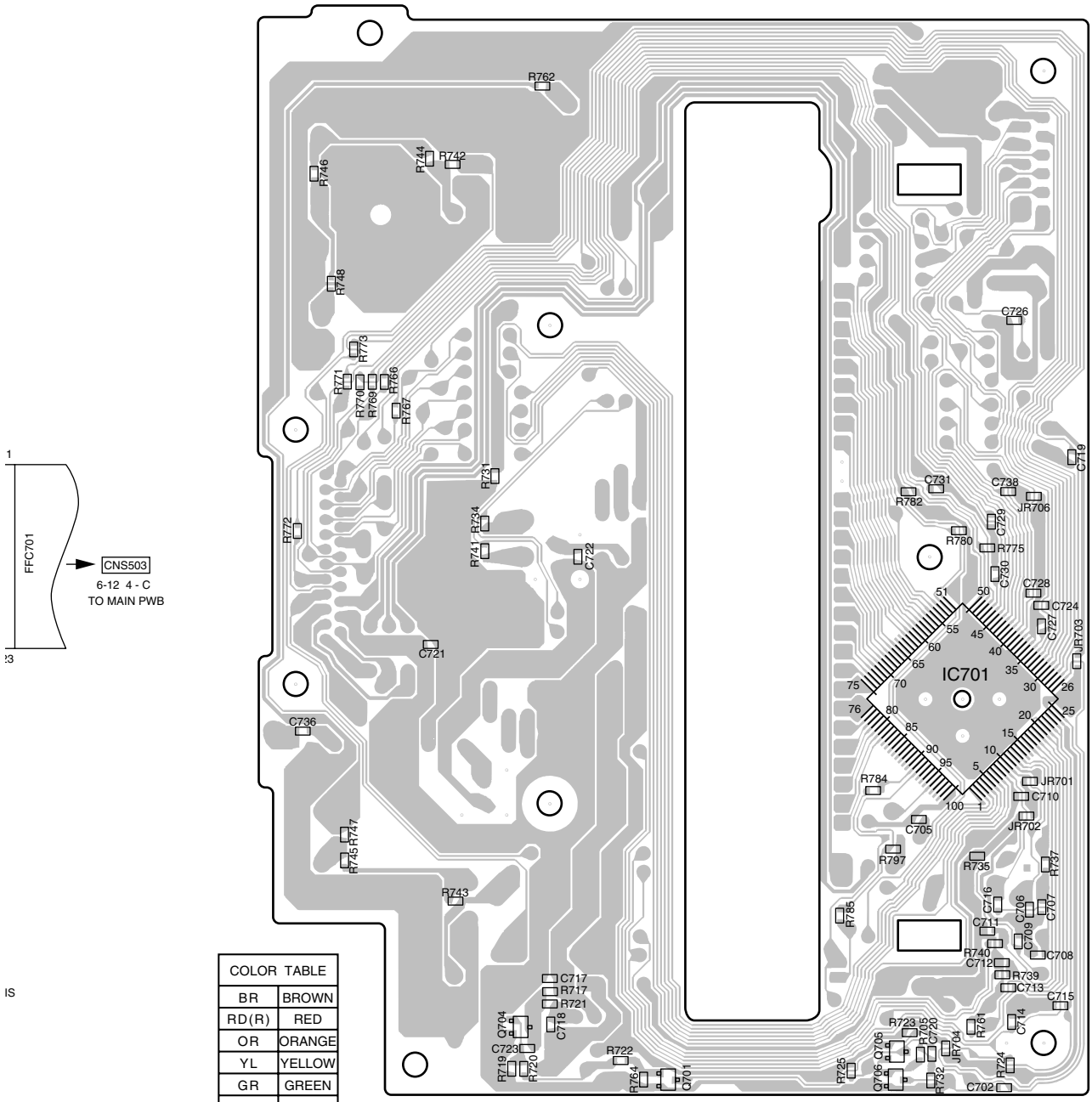


Figure 6-16 WIRING SIDE OF PWB (5/10)

DISPLAY PWB-A2 (BOTTOM VIEW)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

	7	8	9	10	11	12

Figure 6-17 WIRING SIDE OF PWB (6/10)

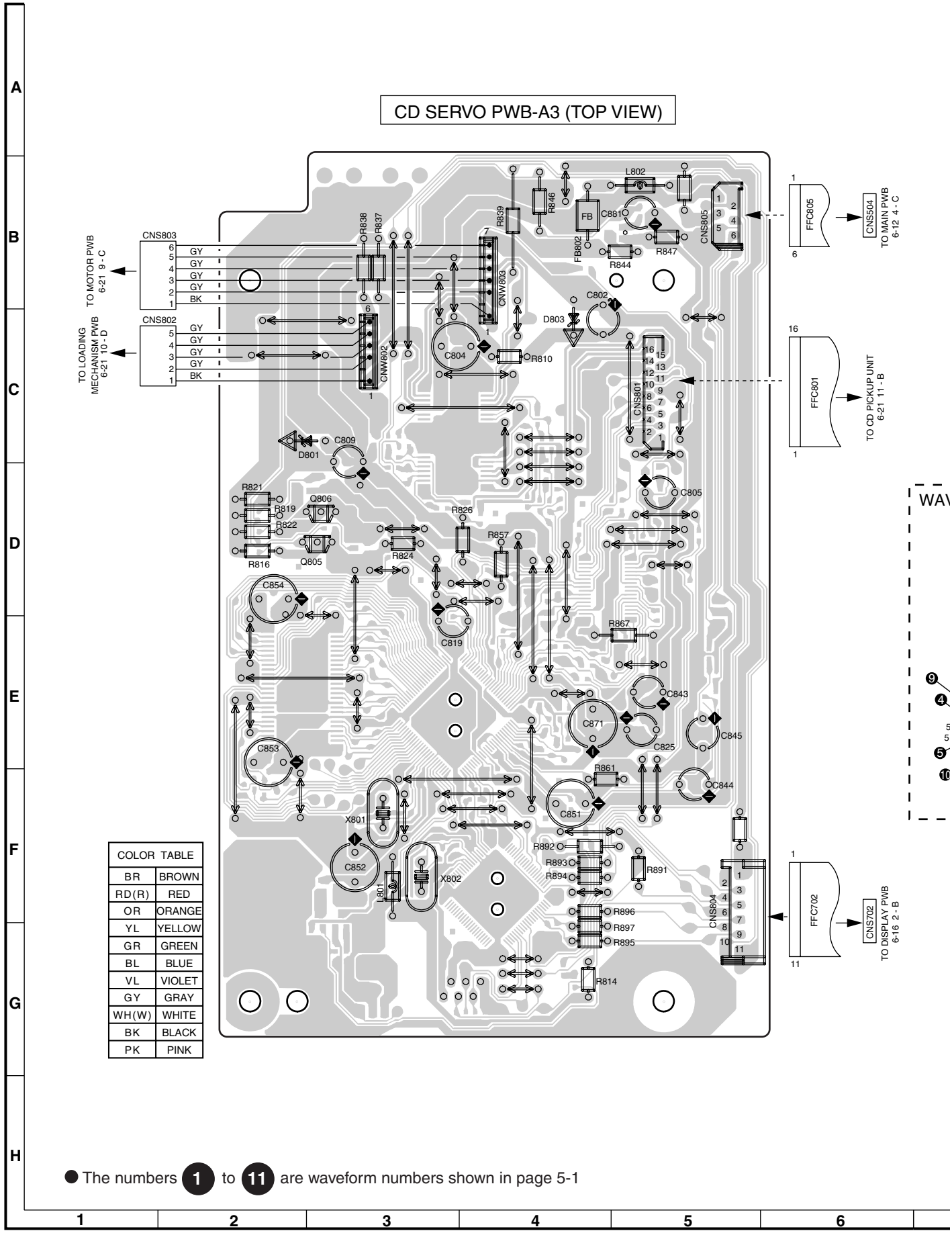
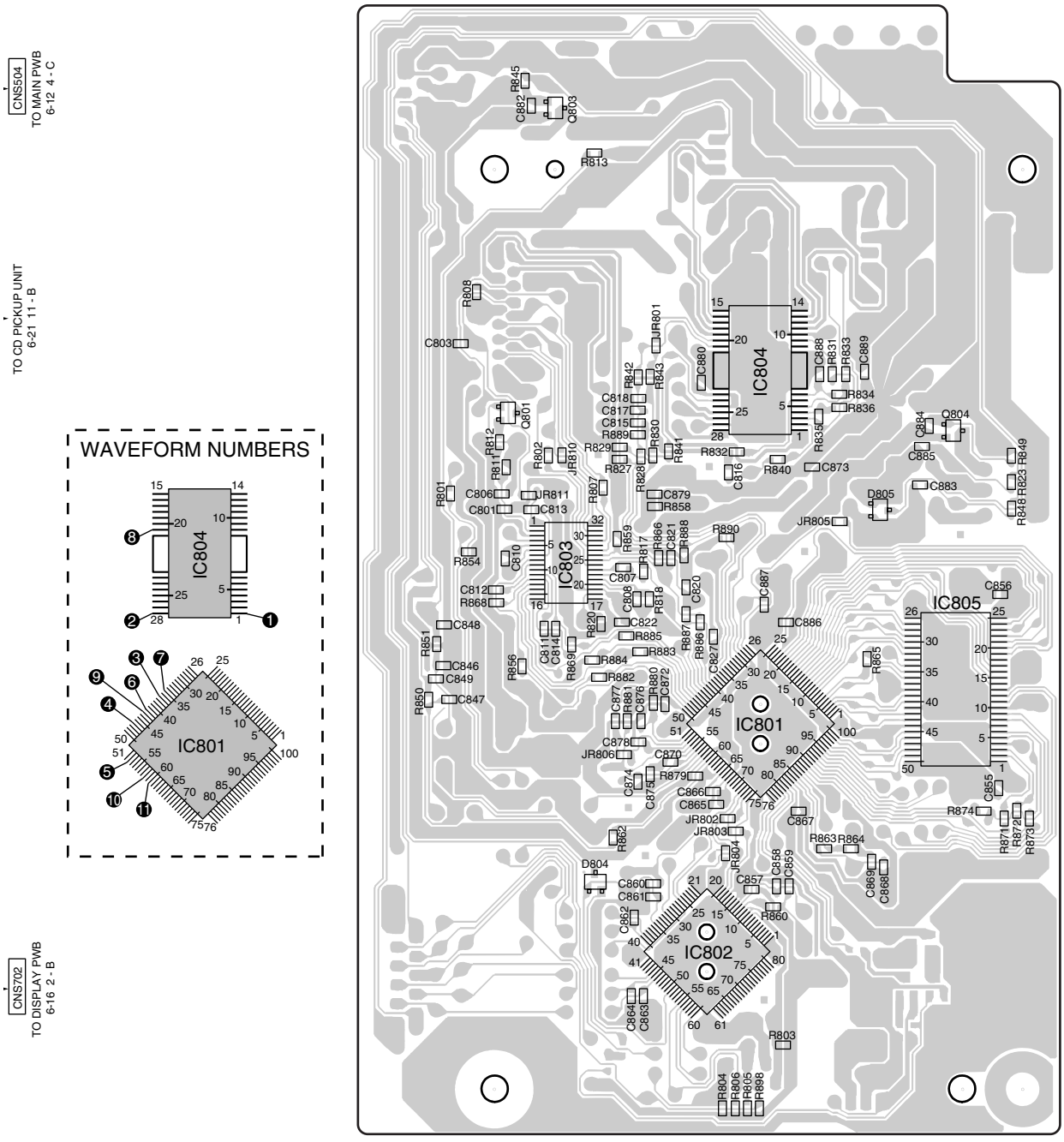


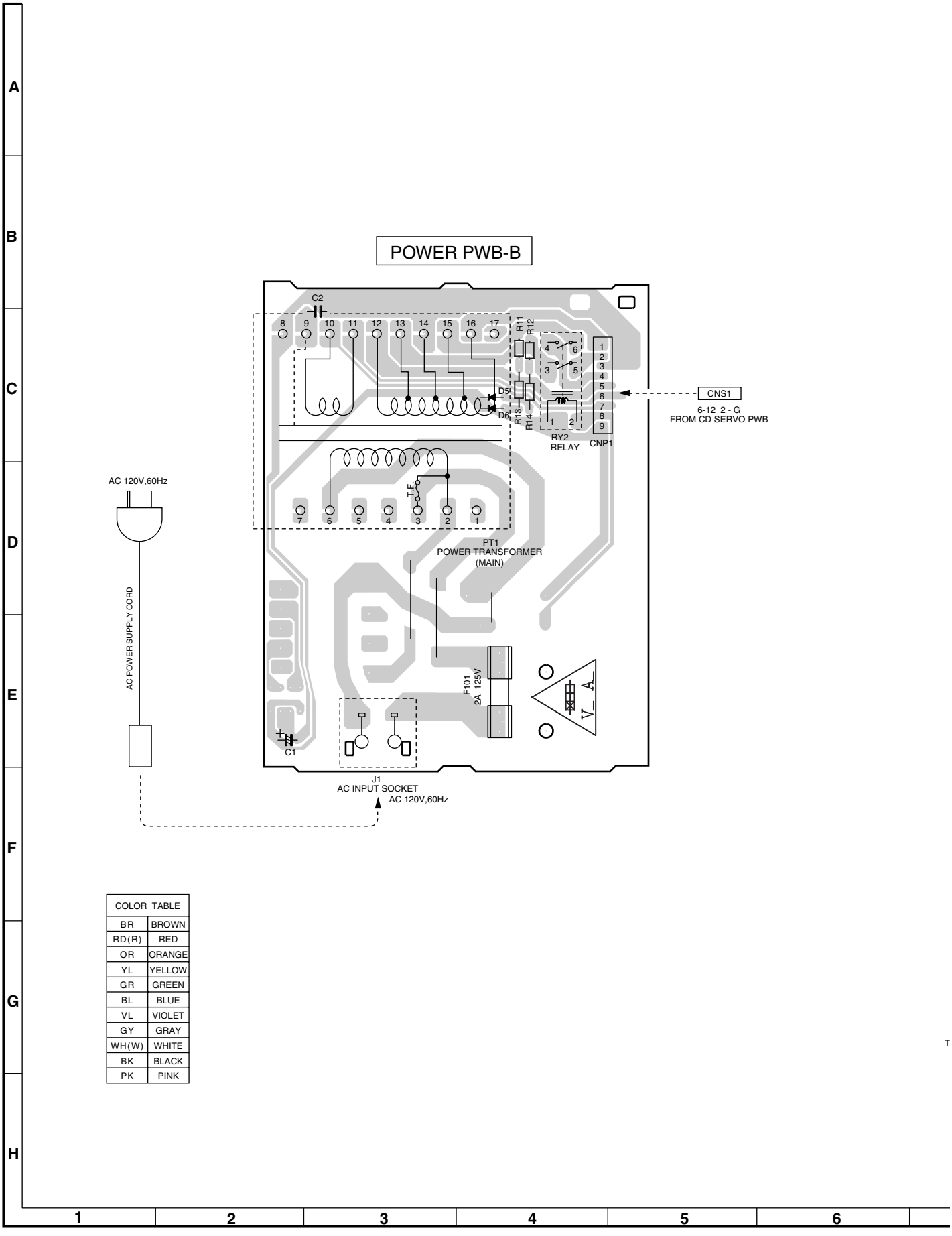
Figure 6-18 WIRING SIDE OF PWB (7/10)

CD SERVO PWB-A3 (BOTTOM VIEW)



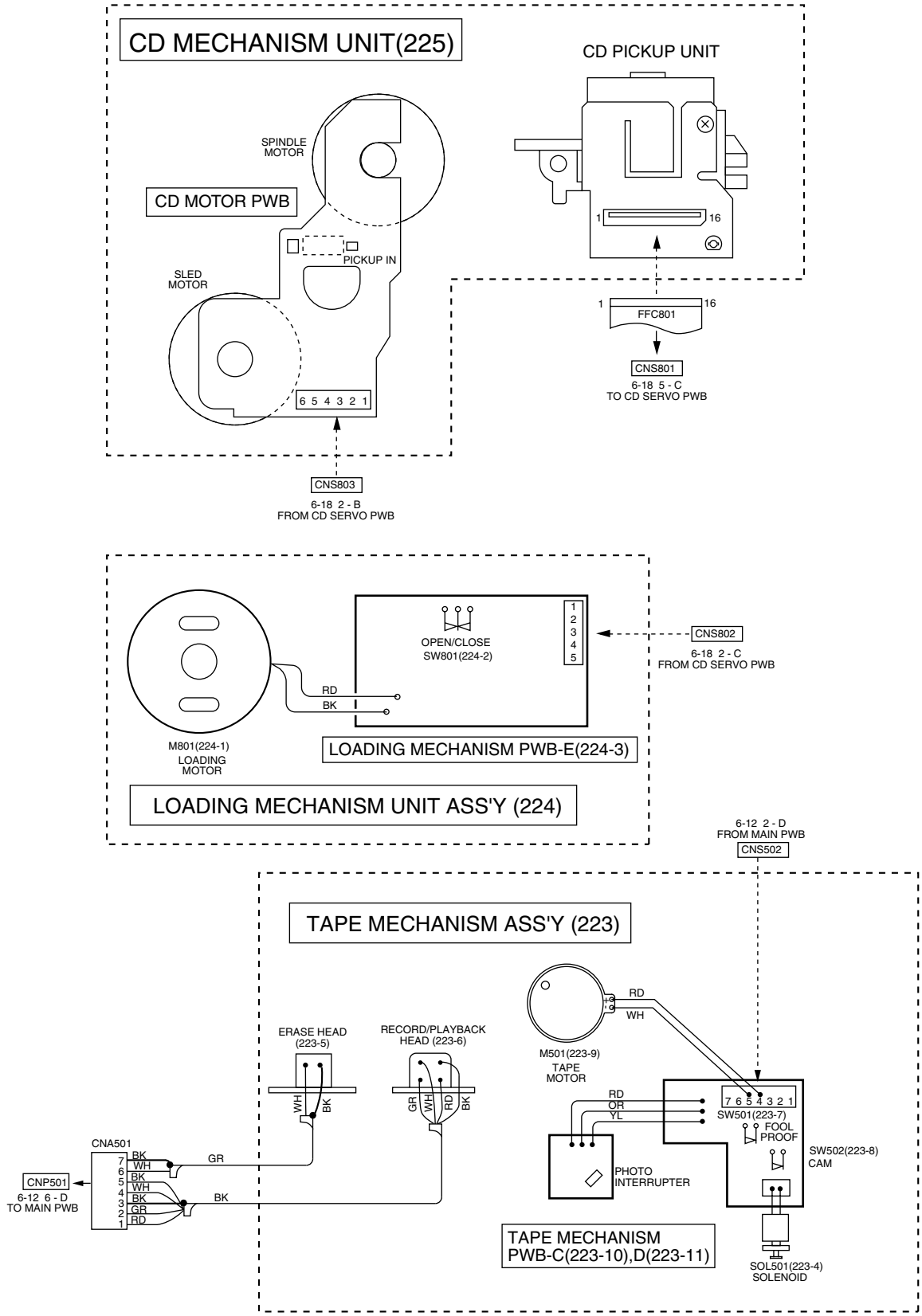
	7	8	9	10	11	12

Figure 6-19WIRING SIDE OF PWB (8/10)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 6-20 WIRING SIDE OF PWB (9/10)



	7	8	9	10	11	12

Figure 6-21 WIRING SIDE OF PWB (10/10)

CHAPTER 7. CD CLEANER

[1] When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

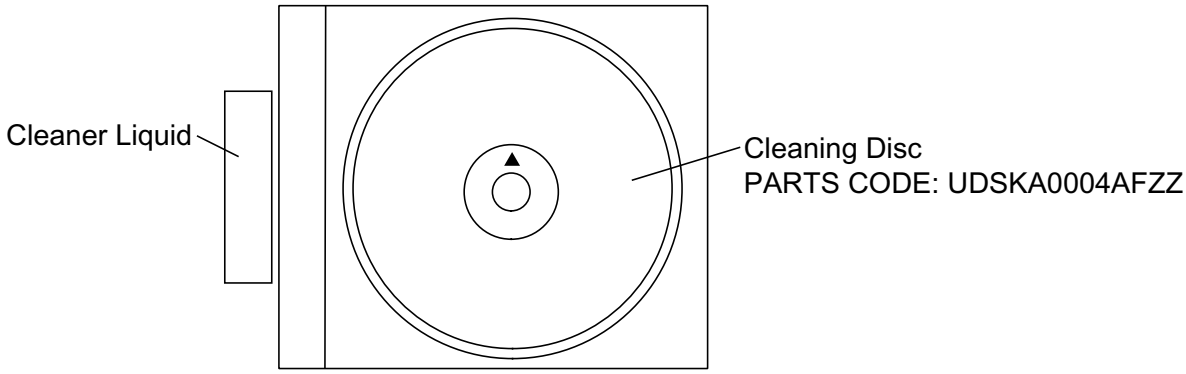
Dust gradually accumulates on the objictive lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earller then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



If pick up in SW cannot be switched on or off, turn off the power.

CHAPTER 8. OTHERS

[1] FUNCTION TABLE OF IC

IC201 VHISTK45303-1: Power (STK45303)

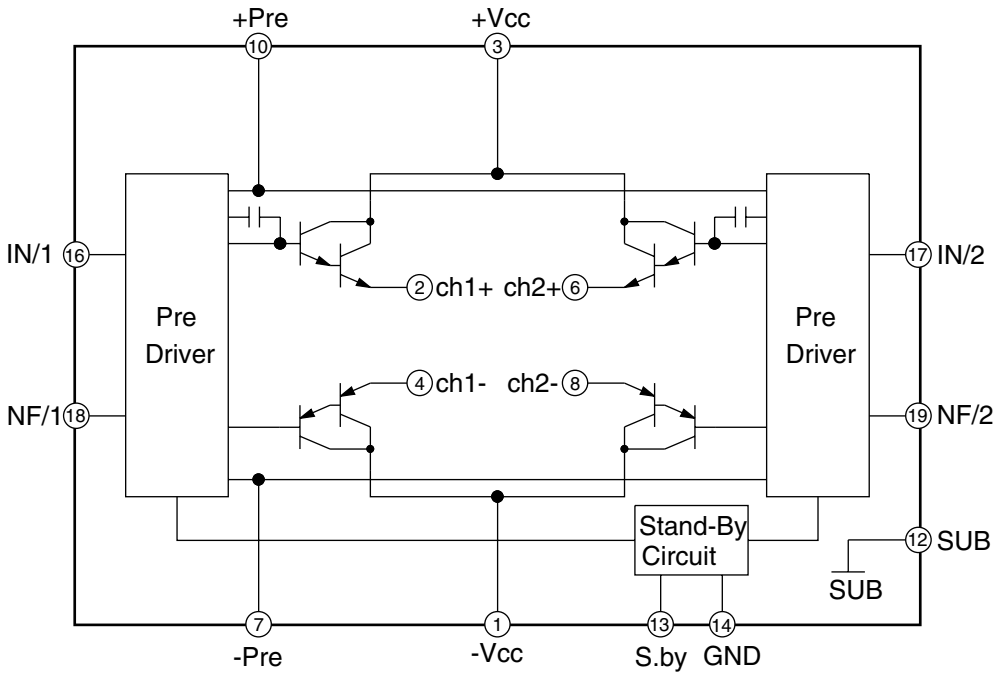


Figure 1 BLOCK DIAGRAM OF IC

IC301 VHILV23002M-1: PLL (Tuner)/FM IF Det./AM IF (LV23002M)

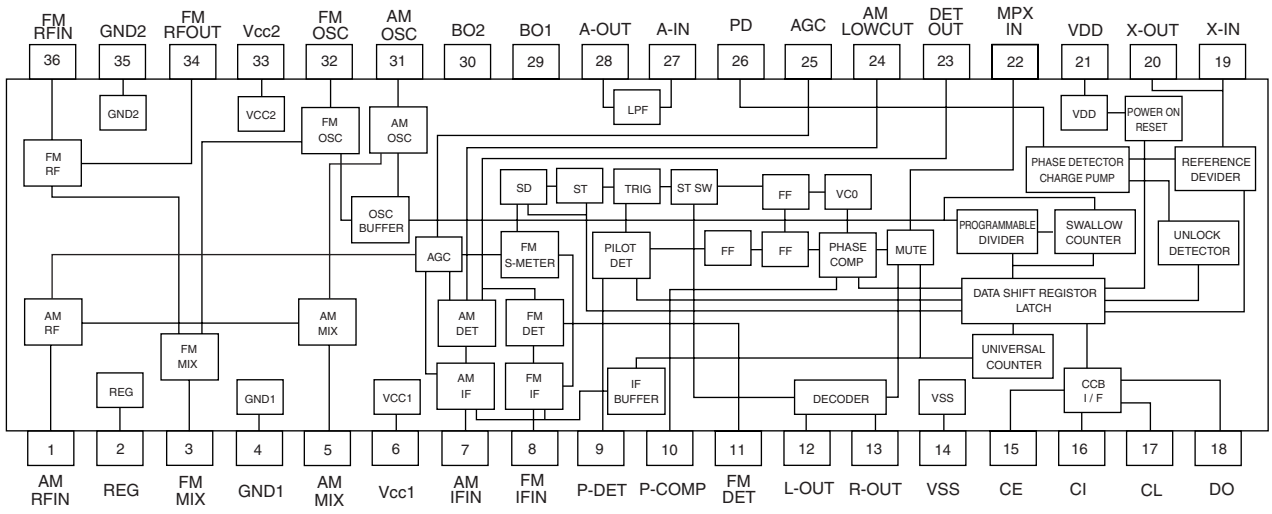


Figure 2 BLOCK DIAGRAM OF IC

IC501 VHIBD3881FV-1: Record/Playback Amp. (BD3881FV)

No.	Terminal Name	Function	No.	Terminal Name	Function
1	PB1N	Ch1 Tape Filter Pin	15	BAS2	Ch2 Bass Filter Setting Pin
2	PB1P	Ch1 Tape Input Pin	16	OUT2	Ch2 Output Pin
3	PB2P	Ch2 Tape Filter Pin	17	BAS1	Ch1 Bass Filter Setting Pin
4	PB2N	Ch2 Selector Output Pin	18	OUT1	Ch1 Output Pin
5	PB2O	Ch2 Selector Output Pin	19	INA1	Ch1 Input Pin A
6	PB1O	Ch1 Selector Output Pin	20	INA2	Ch2 Input Pin A
7	VOLIN1	Ch1 Volume Input Pin	21	INB1	Ch1 Input Pin B
8	VOLIN2	Ch2 Volume Input Pin	22	INB2	Ch2 Input Pin B
9	GND	Ground Pin	23	INC1	Ch1 Input Pin C
10	TRE1	Ch1 Treble Filter Setting Pin	24	INC2	Ch2 Input Pin C
11	TRE2	Ch2 Treble Filter Setting Pin	25	REC2C	Ch2 REC Output Pin
12	VDD	Positive Power Supply Pin	26	REC2N	Ch2 REC Filter Pin
13	CONT	Serial Control Receiving Pin	27	REC1N	Ch1 REC Filter Pin
14	VEE	Negative Power Supply Pin	28	REC1O	Ch1 REC Output Pin

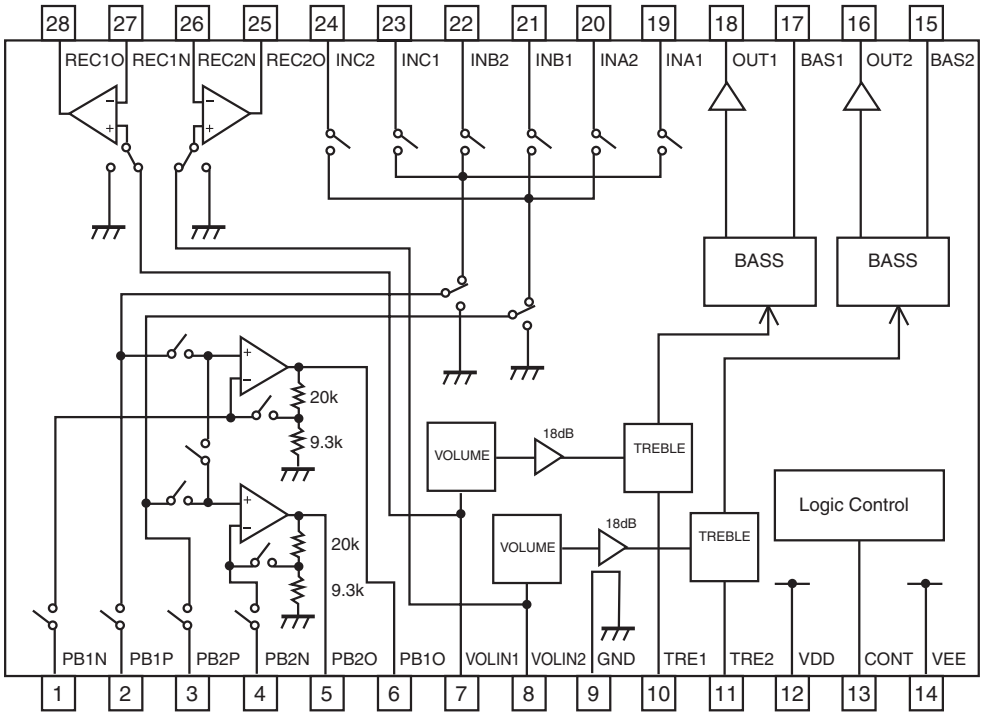
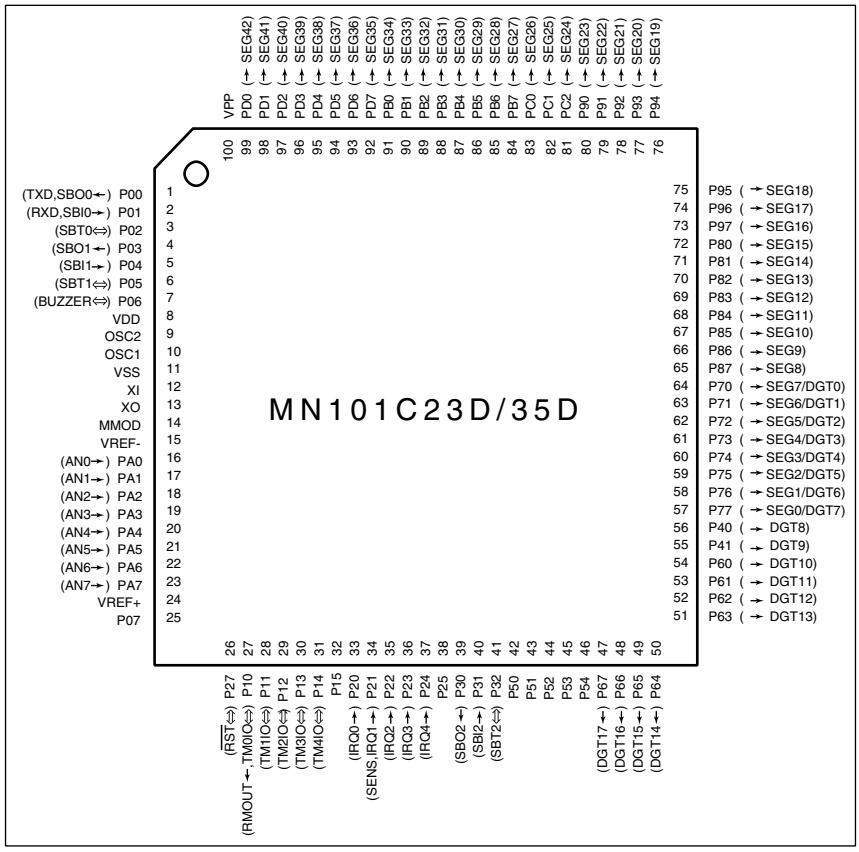

28 27 26 25 24 23 22 21 20 19 18 17 16 15
REC1O REC1N REC2N REC2O INC2 INC1 INB2 INB1 INA2 INA1 OUT1 BAS1 OUT2 BAS2
BASS
BASS
20k
9.3k
20k
9.3k
VOLUME
18dB
TREBLE
VOLUME
18dB
TREBLE
Logic Control
PB1N PB1P PB2P PB2N PB2O PB1O VOLIN1 VOLIN2 GND TRE1 TRE2 VDD CONT VEE
1 2 3 4 5 6 7 8 9 10 11 12 13 14

Figure 3 BLOCK DIAGRAM OF IC

IC701 RH-iXA013SJZZ: System Microcomputer (IXA013SJ)



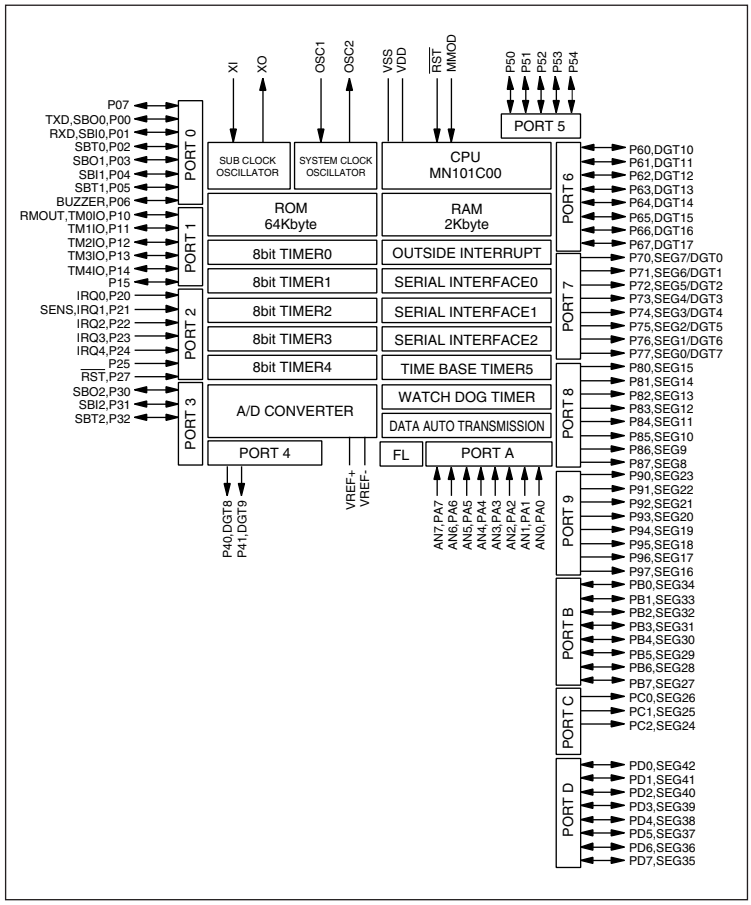


Figure 4 BLOCK DIAGRAM OF IC

IC801 VHIMN6627933C: CD Digital Signal Processor (MN6627933C) (1/2)

Pin No.	Terminal Name	I/O	Function
1	D11	I/O	DRAM data signal input/output 11
2	D10	I/O	DRAM data signal input/output 10
3	D9	I/O	DRAM data signal input/output 9
4	D8	I/O	DRAM data signal input/output 8
5	UDQM	O	SDRAM upper byte data mask signal output
6	SDRCK	O	SDRAM clock signal output
7*	A11	O	DRAM address signal output 11
8	A9	O	DRAM address signal output 9
9	A8	O	DRAM address signal output 8
10	A7	O	DRAM address signal output 7
11	A6	O	DRAM address signal output 6
12	A5	O	DRAM address signal output 5
13	A4	O	DRAM address signal output 4
14	LDQM	O	SDRAM lower byte data mask signal output
15	NWE	O	DRAM write enable signal output
16	NCAS	O	DRAM CAS control signal output
17	NRAS	O	DRAM RAS control signal output
18	NCS	O	SDRAM chip select signal output
19	A3	O	DRAM address signal output 3
20	A2	O	DRAM address signal output 2
21	A1	O	DRAM address signal output 1
22	A0	O	DRAM address signal output 0
23	DRVDD1	I	DRAM interface I/O power supply 1
24	DVSS1	I	Digital circuit GND 1
25	A10	O	DRAM address signal output 10
26*	*BA1	O	SDRAM bank select signal output 1
27	*BA0	O	SDRAM bank select signal output 0
28	DVDD1	I	Internal digital circuit power supply 1
29	SPOUT	O	Spindle drive signal output (absolute value)
30*	*SPPOL	O	Spindle drive signal output (polarized)
31	TRVP	O	Traverse drive signal output (positive)
32*	*TRVM	O	Traverse drive signal output (negative)
33*	*TRVP2	O	Traverse drive signal output 2 (positive)
34*	*TRVM2	O	Traverse drive signal output 2 (negative)
35	TRP	O	Tracking drive signal output (positive)
36*	*TRM	O	Tracking drive signal output (negative)
37	FOP	O	Focus drive signal output (positive)
38*	*FOM	O	Focus drive signal output (negative)
39	IOVDD1	I	Digital I/O power supply 1
40	TBAL	O	Tracking balance adjustment signal output
41	FBAL	O	Focus balance adjustment signal output
42	FE	I	Focus error signal input
43	TE	I	Tracking error signal input
44	ADPVCC	I	Voltage input for monitoring power supply
45	RFENV	I	RF envelope signal input
46	LDON	O	Laser ON signal output
47	NRFDET	I	RF detection signal input
48	OFT	I	Off-track signal input
49	BDO	I	Drop-out signal input
50	AVDD	I	Analog circuit power supply 1
51	IREF	I	Analog reference current input
52	ARF	I	RF signal input
53	DSLF	O	DSL loop filter pin
54	PWMSEL	I	PWM output mode switch input. L: direct H: ternary
55	PLLF	O	PLL loop filter pin (phase comparison output)
56	PLLFO	O	PLL loop filter pin (speed comparison output)
57	AVSS	I	Analog circuit GND 1

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

NOTE: Signals with * are switched to other signals by microcomputer command.

DRAM pins differ in specifications depending on the type and capacity.

IC801 VHIMN6627933C: CD Digital Signal Processor (MN6627933C) (2/2)

Pin No.	Terminal Name	I/O	Function
58	LOOUTL	O	Left channel audio signal output for line-out output
59	LOVSS1	I	Line-out output GND
60	LOOUTR	O	Right channel audio signal output for line-out output
61	LOVDD1	I	Line-out output power supply
62*	N.C.	—	
63*	TMON	O	Test monitor output 1
64	N.C.	—	
65	N.C.	—	
66*	TMON2	O	Test monitor output 2
67	DVDD3	I	Digital circuit power supply 3
68	DVSS2	I	Digital circuit GND 2
69*	*EXT0	I/O	Extended input/output port 0
70*	*EXT1	I/O	Extended input/output port 1
71*	*EXT2	I/O	Extended input/output port 2
72	MCLK	I	Microcomputer command clock signal input
73	MDATA	I	Microcomputer command data signal input
74	MLD	I	Microcomputer command load signal input
75	*STAT	O	Status signal output
76	*BLKCK	O	Sub code block clock signal output
77*	*SMCK	O	4.2336/8.4672 MHz clock signal output
78*	*PMCK	O	88.2 kHz clock signal output
79	*TX	O	Digital audio interface signal output
80	*FLAG	O	Flag signal output
81	NRST	I	LSI reset signal input
82	NTEST	I	Test mode setting input
83	DVSS3	I	Digital circuit GND 3
84	X1	I	Crystal oscillation circuit input
85	X2	O	Crystal oscillation circuit output
86	IOVDD2	I	Digital I/O power supply 2
87	DVDD2	I	Internal digital circuit power supply 2
88	D2	I/O	DRAM data signal input/output 2
89	D1	I/O	DRAM data signal input/output 1
90	D0	I/O	DRAM data signal input/output 0
91	D3	I/O	DRAM data signal input/output 3
92	D4	I/O	DRAM data signal input/output 4
93	D5	I/O	DRAM data signal input/output 5
94	D6	I/O	DRAM data signal input/output 6
95	D7	I/O	DRAM data signal input/output 7
96	D15	I/O	DRAM data signal input/output 15
97	D14	I/O	DRAM data signal input/output 14
98	DRVDD2	I	DRAM interface I/O power supply 2
99	D13	I/O	DRAM data signal input/output 13
100	D12	I/O	DRAM data signal input/output 12

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

NOTE: Signals with * are switched to other signals by microcomputer command.

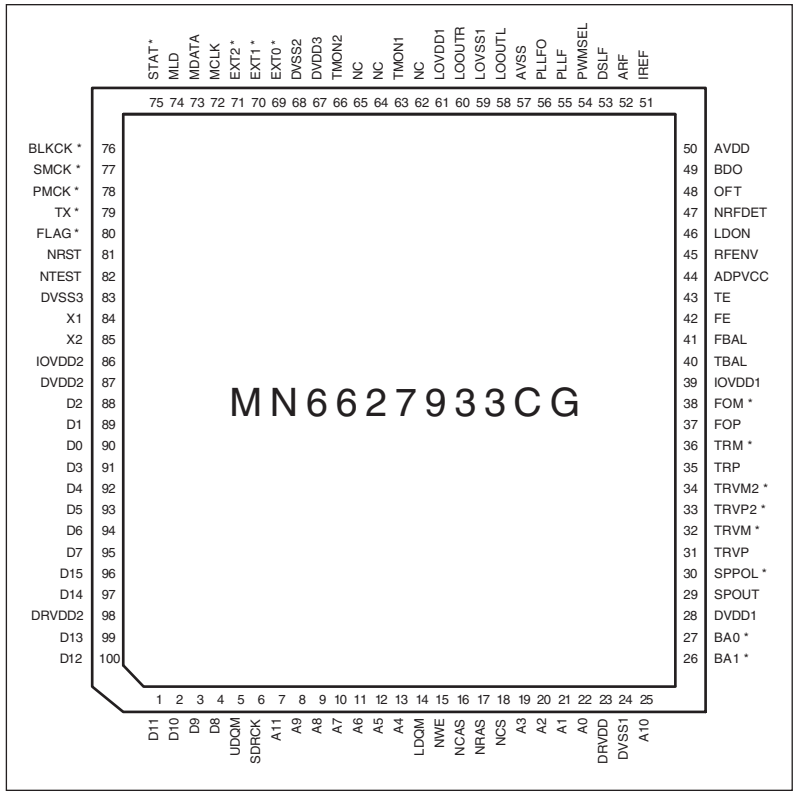
DRAM pins differ in specifications depending on the type and capacity.

NOTE: When sharing the PCB with MN6627932, connect pins as follows:

No. 62 pin (N.C. pin) = L (fixed), No. 54 pin (N.C. pin): LOVDD2, No. 65 pin (N.C. pin): LOVSS2

Refer to the MN6627932 specifications for the product details.

IC801 VHIMN6627933C: CD Digital Signal Processor (MN6627933C)



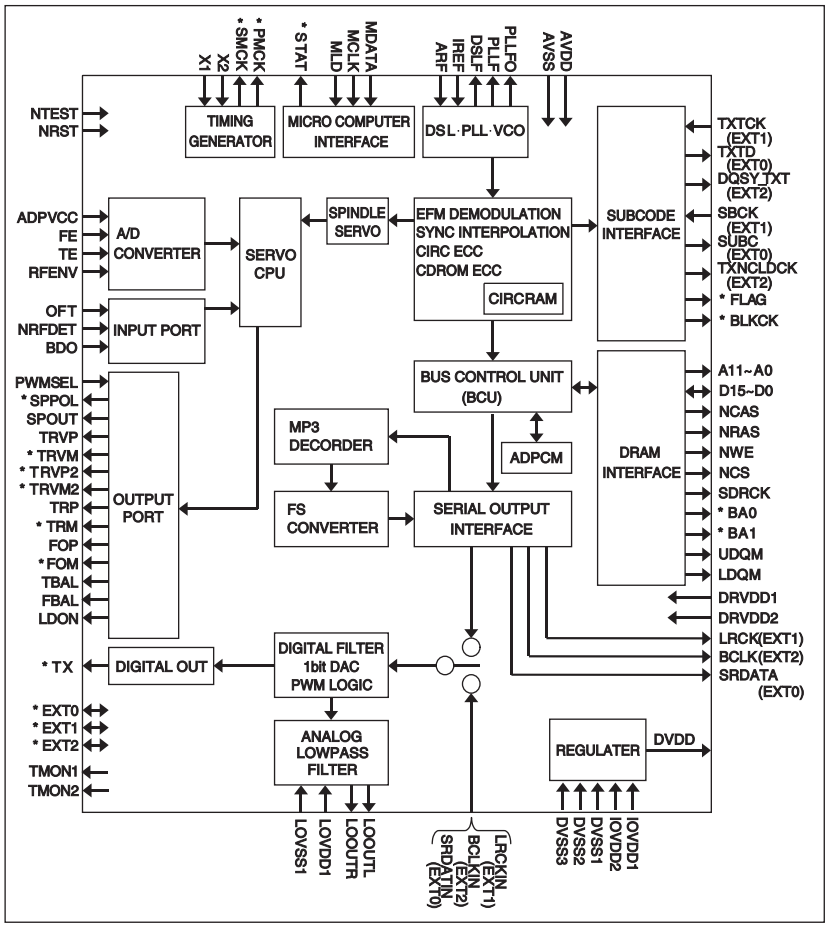
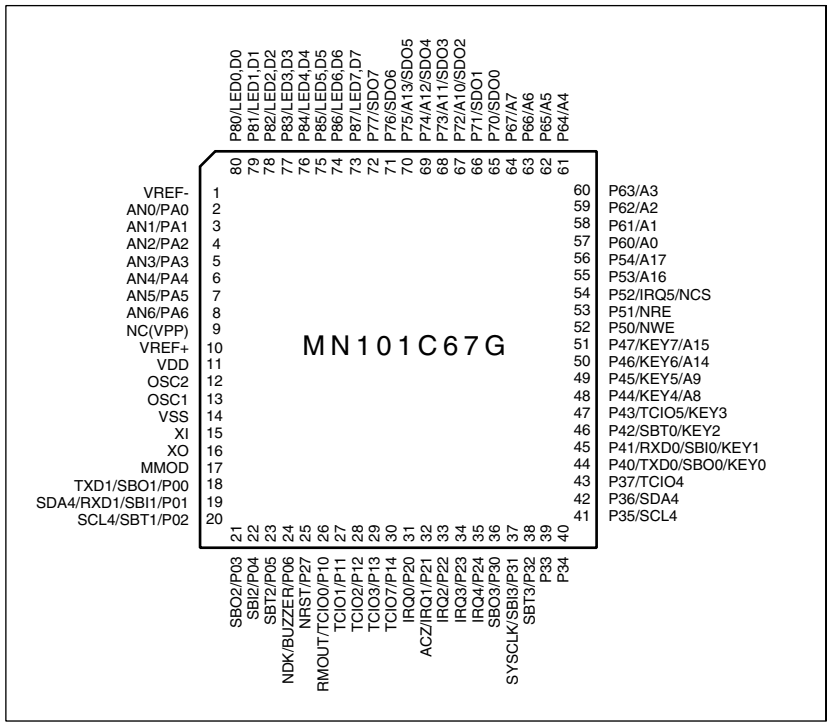


Figure 5 BLOCK DIAGRAM OF IC

IC802 RH-iXA018SJZZ: MP3 DECODER (IXA018SJ)



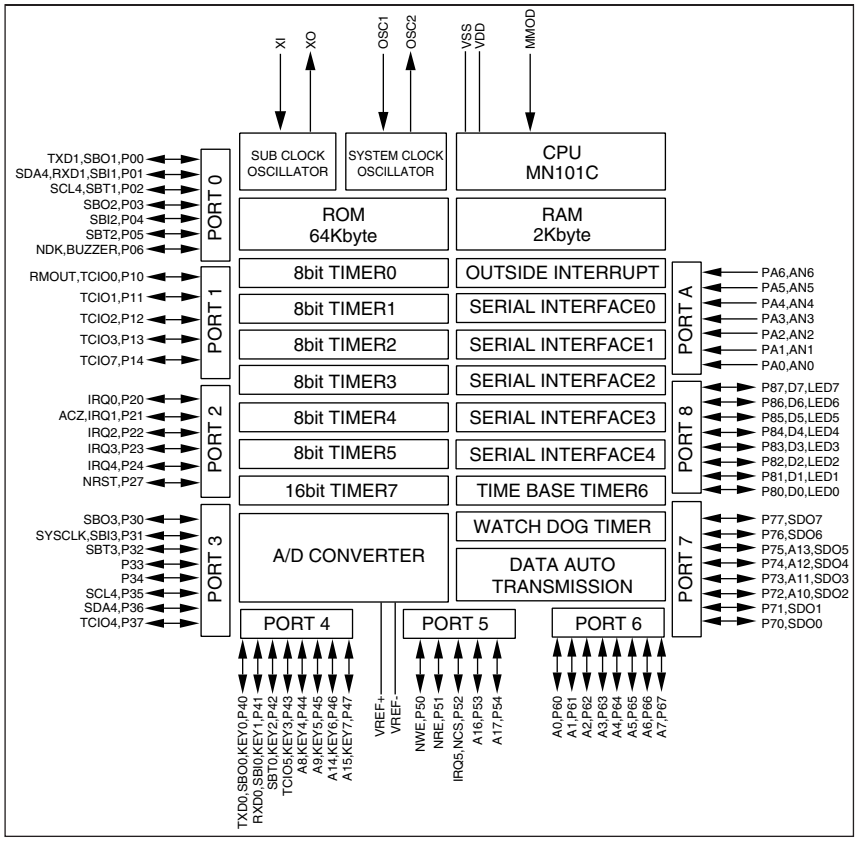


Figure 6 BLOCK DIAGRAM OF IC

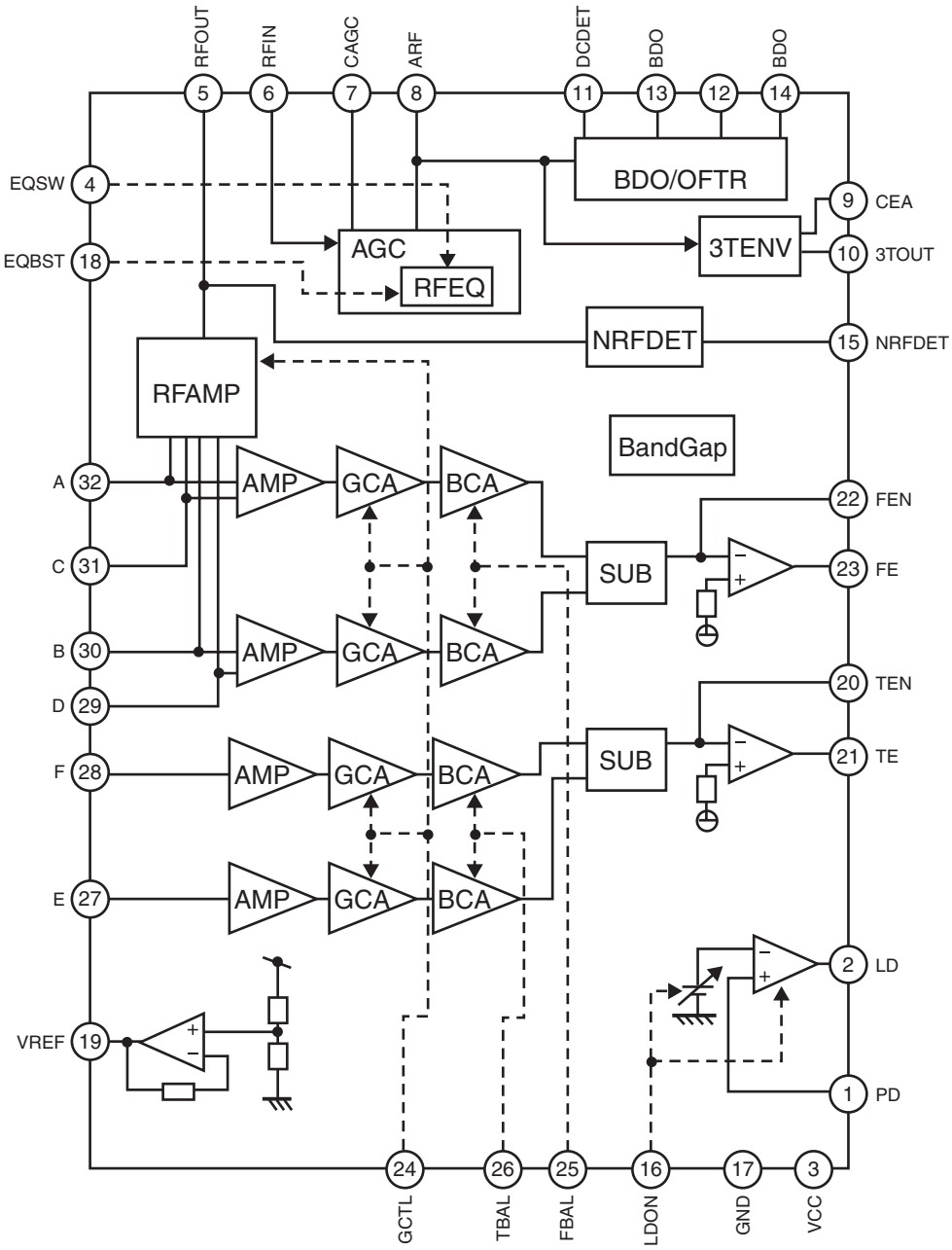
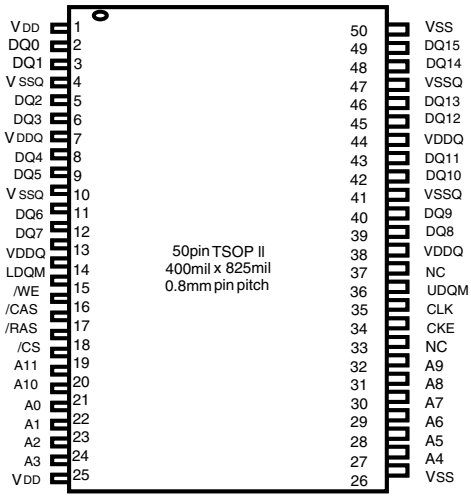


Figure 7 BLOCK DIAGRAM OF IC

IC805 VHIHY57V16D-1: DRAM (HY57V16D)

PIN	Terminal Name	Function
CLK	Clock	the system clock input. All other inputs are referenced to the SDRAM on the rising edge of CLK.
CKE	Clock Enable	Controls internal clock signal and when deactivated, the SDRAM will be one of the states among power down, suspend or self refresh.
CS	Chip Select	Command input enable or mask except CLK, CKE and DQM.
BA	Bank Address	Select either one of bank during both RAS and CAS activity.
A0~A10	Address	Row address:RA0~RA10, Column Address:CA0~CA7 Auto-precharge flag:A10
RAS,CAS,WE	ROW Address Strobe, Column Address Strobe, Write Enable	RAS, CAS and WE define the operation. Refer function truth table for details.
LDQM,UDQM	Data Input/Output Mask	DQM control output buffer in read mode and mask input data in write mode
DQ0~DQ15	Data Input/Output	Multiplexed data input/output pin.
VDD/VSS	Power Supply/Ground	Power supply for internal circuit and input buffer.
VDDQ/VSSQ	Data Output Power/Ground	Power supply for DQ.
NC	No Connection	No connection

IC805 VHIHY57V16D-1: DRAM (HY57V16D)



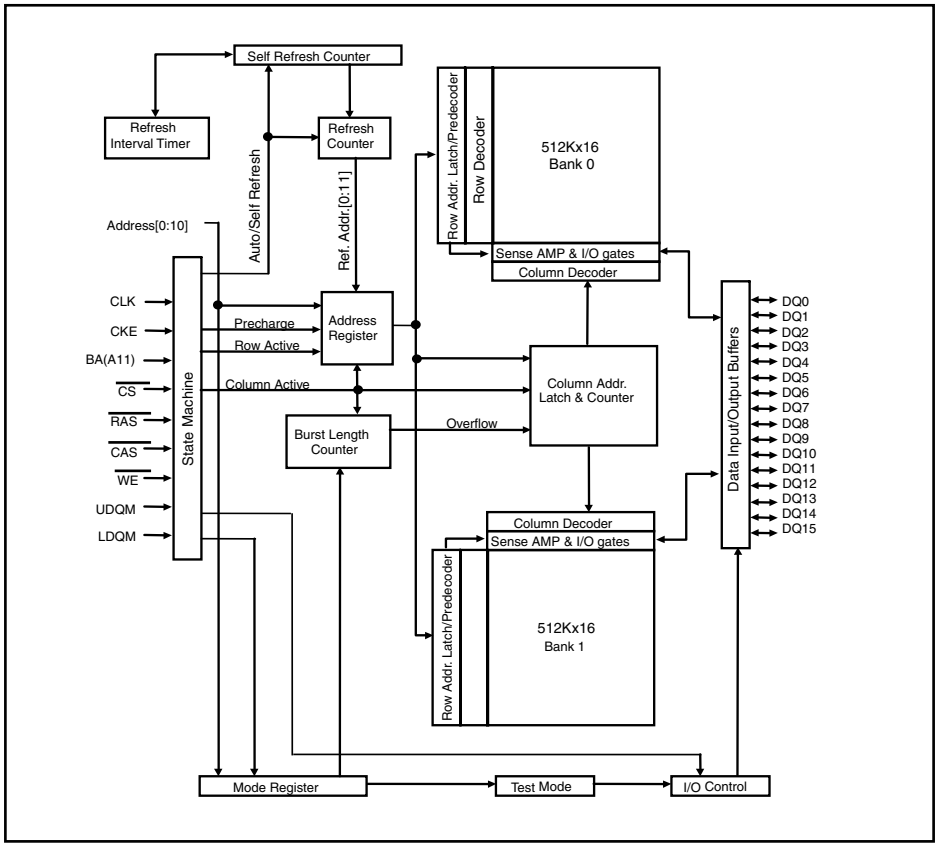
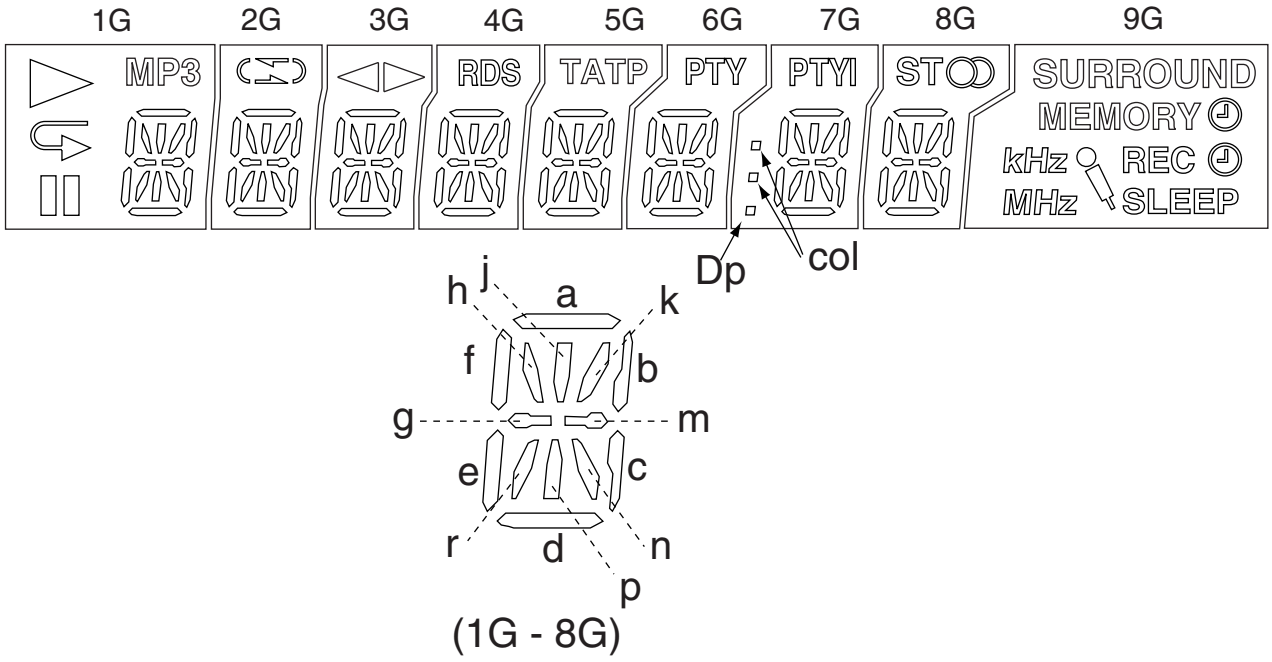


Figure 8 BLOCK DIAGRAM OF IC

[2] FL DISPLAY

VVK09SS53T/-1

GRID ASSIGNMENT



ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G
P1	e	e	e	e	e	e	e	e	
P2	c	c	c	c	c	c	c	c	
P3	n	n	n	n	n	n	n	n	
P4	p	p	p	p	p	p	p	p	
P5	d	d	d	d	d	d	d	d	
P6	r	r	r	r	r	r	r	r	SLEEP
P7	g	g	g	g	g	g	g	g	
P8	m	m	m	m	m	m	m	m	MHz
P9	f	f	f	f	f	f	f	f	(lower)
P10	h	h	h	h	h	h	h	h	REC
P11	j	j	j	j	j	j	j	j	kHz
P12	k	k	k	k	k	k	k	k	(upper)
P13	b	b	b	b	b	b	b	b	MEMORY
P14	a	a	a	a	a	a	a	a	SURROUND
P15									
P16							col		
P17	MP3				TP		Dp		
P18				RDS	TA	PTY	PTYI	ST	

OUTER DRAWING

PIN CONNECTION

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
CONNECTION	F1	F1	NP	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NC	NC	1G	2G	3G

PIN NO.	27	28	29	30	31	32	33	34	35
CONNECTION	4G	5G	6G	7G	8G	9G	NP	F2	F2

SHARP PARTS GUIDE

MICRO COMPONENT SYSTEM

MODEL XL-E80

XL-E80 Micro Component System consisting of XL-E80 (main unit) and CP-E80 (speaker system).

CONTENTS

[1] INTEGRATED CIRCUITS

[2] TRANSISTORS

[3] DIODES

[4] FILTERS

[5] TRANSFORMERS

[6] COILS

[7] VIBRATORS

[8] CAPACITORS

[9] RESISTORS

[10] OTHER CIRCUITRY PARTS

[11] CABINET PARTS

[12] SPEAKER BOX PARTS

[13] PACKING PARTS (Except for U.S.A.)

[14] ACCESSORIES

[15] P.W.B. ASSEMBLY (Not Replacement Item)

[16] OTHER SERVICE PARTS

■ INDEX

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
iC201	VHiSTK45303-1	AS			Power,STK45303
iC301	VHiLV23002M-1	AS			PLL (Tuner)/FM IF Det./FM Mpx./AM IF,LV23002M
iC401	VHiKiA7805APi	AF			Voltage Regulator,KIA7805AP
iC501	VHiBD3881FV-1	AP			Record/Playback Amp.,BD3881FV
iC701	RH-iXA013SJZZ	AX			System Microcomputer,IXA013SJ
iC801	VHiMN6627933C	BB			CD Digital Signal Processor,MN6627933C
iC802	RH-iXA018SJZZ	AX			MP3 DECODER,IXA018SJ
iC803	VHiAN22004A-1	AN			Servo Amp.,AN22004A
iC804	VHiAN8785SB-1	AP			Focus/Tracking/Spin/Sled Driver,AN8785SB
iC805	VHiHY57V16D-1	AT			DRAM,HY57V16D
[2] TRANSISTORS					
Q101	VS2SB1370E+-1	AG			Silicon,PNP,2SB1370 E+
Q102	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q103	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q104	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q105	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q106	VS2SC3440BG-1				Silicon,NPN,2SC3440 BG
Q107	VS2SC3440BG-1				Silicon,NPN,2SC3440 BG
Q108	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q201	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q251	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q252	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q254	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q255	VS2SA1514K/-1	AC			Silicon,PNP,2SA1514 K
Q256	VS2SA1514K/-1	AC			Silicon,PNP,2SA1514 K
Q257	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q301	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q302	VS2SC5477++-1	AD			Silicon,NPN,2SC5477++
Q351	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q371	VS2SC5477++-1	AD			Silicon,NPN,2SC5477++
Q401	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q402	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q403	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q404	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q501	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q502	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q503	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q504	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q505	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
Q506	VS2SA2002EF-1	AE			Silicon,PNP,2SA2002 EF
Q507	VS2SA2002EF-1	AE			Silicon,PNP,2SA2002 EF
Q508	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q509	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q510	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q511	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q512	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q513	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q701	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q702	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
Q703	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
Q704	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q705	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q706	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q708	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
Q801	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235 F+
Q803	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q804	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052 F+
Q805	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
Q806	VS2SC5395F+-1	AD			Silicon,NPN,2SC5395 F+
[3] DIODES					
⚠ D5	VHD1N4148//-1	AA			Silicon,1N4148
⚠ D6	VHD1N4148//-1	AA			Silicon,1N4148
⚠ D101	VHDRL203///-1	AC			Silicon,RL203
⚠ D102	VHDRL203///-1	AC			Silicon,RL203
⚠ D103	VHDRL203///-1	AC			Silicon,RL203
⚠ D104	VHDRL203///-1	AC			Silicon,RL203
D105	VHDMC2836//-1	AB			Silicon Epitaxial Double,MC2836
D106	VHEDZH07A3+-1	AB			Zener,7.3V,DZH07A3+
D107	VHD1N4148//-1	AA			Silicon,1N4148
D108	VHD1N4004//-1	AB			Silicon,1N4004
D109	VHD1N4004//-1	AB			Silicon,1N4004
D110	VHEDZH2701+-1	AB			Zener,26.6V,DZH271
D120	VHD1N4148//-1	AA			Silicon,1N4148
D201	VHD1N4148//-1	AA			Silicon,1N4148
D251	VHDMC2838//-1	AB			Silicon Epitaxial Double,MC2838
D252	VHDMC2836//-1	AB			Silicon Epitaxial Double,MC2836
D253	VHDMC2838//-1	AB			Silicon Epitaxial Double,MC2838
D254	VHDMC2836//-1	AB			Silicon Epitaxial Double,MC2836
D302	VHD1N4148//-1	AA			Silicon,1N4148
D303	VHD1N4148//-1	AA			Silicon,1N4148
D305	VHCSVC347S/-1	AG			Variable Capacitance,SVC347S
D306	VHCSVC201//-1	AE			Variable Capacitance,SVC201

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[3] DIODES					
	D307	VHCSVC201//-1	AE			Variable Capacitance,SVC201
	D308	VHEDZH04A3+-1	AB			Zener,3.6V,DZH04A3+
	D309	VHEDZH12A1+-1	AB			Zener,12V,DZH12A1+
	D403	VHD1N4148//-1	AA			Silicon,1N4148
	D502	VHEDZH05B1+-1	AB			Zener,4.5V,DZH05B1+
	D503	VHEDZH05B1+-1	AB			Zener,4.5V,DZH05B1+
	D701	VHEDZH03C3+-1	AB			Zener,3.3V,DZH03C3+
	D703	VHD1N4148//-1	AA			Silicon,1N4148
	D704	VHD1N4148//-1	AA			Silicon,1N4148
	D801	VHEDZH04B3+-1	AB			Zener,40V,DZH04B3+
	D803	VHEDZH05C2+-1	AB			Zener,5.1V,DZH05C2+
	D804	VHDMC2838//-1	AB			Silicon Epitaxial Double,MC2838
	D805	VHDMC2836//-1	AB			Silicon Epitaxial Double,MC2836
	LED701	VHPSELS6E14-1	AM			LED,Blue,SELS6E14
	LED702	VHPLP3052A+-1	AC			LED,Red,LP3052A
	[4] FILTERS					
	BPF301	RFiLR0008AWZZ	AE			Band Pass Filter
	CF301	RFiLF0004SJZZ	AG			FM IF,10.7 MHz
	CF302	RFiLF0003AWZZ	AK			FM IF
	CF303	RFiLA0003SJZZ	AF			AM IF
	CF304	RFiLF0004SJZZ	AG			FM IF,10.7 MHz
	[5] TRANSFORMERS					
⚠	PT1	RTRNPA010SJZZ	BA			Power (Main)
	[6] COILS					
	FB802	RCORFA002SJZZ	AC			Core
	L101	VP-DH1R0K0000	AC			1 μH
	L102	RCiLZA001SJZZ	AC			1 μH
	L103	RCiLZA001SJZZ	AC			1 μH
	L301	RCORFA003SJZZ	AB			Core
	L302	RCiLA0007SJZZ	AG			AM Antenna
	L303	VP-DH100K0000	AB			10 μH,Choke
	L304	RCiLRA001SJZZ	AA			FM RF
	L305	RCiLiA001SJZZ	AC			AM IF
	L306	RCiLB0009SJZZ	AG			AM OSC.
	L307	RCiLBA003SJZZ	AA			FM OSC.
	L308	VP-DH470K0000	AB			47 μH,Choke
	L501	VP-DH100K0000	AB			10 μH,Choke
	L503	RCiLBA001SJZZ	AE			BIAS OSC.
	L701	VP-MK220K0000	AB			22 μH,Choke
	L702	VP-DH100K0000	AB			10 μH,Choke
	L801	VP-DH1R0K0000	AC			1 μH
	L802	VP-DH1R0K0000	AC			1 μH
	[7] VIBRATORS					
	X301	RCRSPA001SJZZ	AE			Crystal,75 kHz
	X702	RCRSPA007SJZZ	AE			Crystal,32.768 kHz
	X801	RCRSP0011SJZZ	AE			Crystal,16.9344 MHz
	X802	RCRSPA005SJZZ	AF			Crystal,8.3666 MHz
	[8] CAPACITORS					
⚠	C1	RC-GZV477AF1E	AC			470 μF,25V,Electrolytic
⚠	C2	VCFYFA1HA104J	AC			0.1 μF,50V,Thin Film
	C104	VCKYCY1HF104Z	AB			0.1 μF,50V
	C105	VCKYCY1HF104Z	AB			0.1 μF,50V
	C108	VCKYCY1HF104Z	AB			0.1 μF,50V
	C109	VCKYCY1HF104Z	AB			0.1 μF,50V
	C110	VCKYCY1HF104Z	AB			0.1 μF,50V
	C113	VCKYCY1HF104Z	AB			0.1 μF,50V
	C114	VCKYCY1HF104Z	AB			0.1 μF,50V
	C118	RC-GZW478AF1V	AH			4700 μF,35V,Electrolytic
	C119	RC-GZW338AF1V	AH			3300 μF,35V,Electrolytic
	C120	RC-GZA107AF1V	AB			100 μF,35V,Electrolytic
	C121	RC-GZA107AF1H	AC			100 μF,50V,Electrolytic
	C122	VCKYCY1HF104Z	AB			0.1 μF,50V
	C123	VCKYCY1HB472K	AA			0.0047 μF,50V
	C124	VCKYCY1HB103K	AA			0.01 μF,50V
	C128	VCKYCY1HF104Z	AB			0.1 μF,50V
	C129	RC-GZA476AF1E	AB			47 μF,25V,Electrolytic
	C130	VCKYCY1EB104K	AD			0.1 μF,25V
	C201	RC-GZA225AF1H	AB			2.2 μF,50V,Electrolytic
	C202	RC-GZA225AF1H	AB			2.2 μF,50V,Electrolytic
	C203	RC-GZA106AF1H	AB			10 μF,50V,Electrolytic
	C204	RC-GZA106AF1H	AB			10 μF,50V,Electrolytic
	C205	VCCCCY1HH471J	AA			470 pF (CH),50V
	C206	VCCCCY1HH471J	AA			470 pF (CH),50V
	C207	VCKYCY1HB822K	AA			0.0082 μF,50V
	C208	VCKYCY1HB822K	AA			0.0082 μF,50V
	C209	VCCSCY1HL3R0C	AD			3 pF,50V
	C210	VCCSCY1HL3R0C	AD			3 pF,50V
	C211	RC-GZA476AF1E	AB			47 μF,25V,Electrolytic
	C212	RC-GZ3001SJZZ				22 μF,50V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C213	RC-GZ3001SJZZ				22 μ F,50V,Electrolytic
C214	VCKYCY1HB103K	AA			0.01 μ F,50V
C215	VCKYCY1HB153K	AA			0.015 μ F,50V
C216	VCKYCY1HB153K	AA			0.015 μ F,50V
C217	RC-GZA104AF1H	AB			0.1 μ F,50V,Electrolytic
C218	RC-GZA104AF1H	AB			0.1 μ F,50V,Electrolytic
C231	VCCCCY1HH471J	AA			470 pF (CH),50V
C232	VCCCCY1HH471J	AA			470 pF (CH),50V
C251	VCKYCY1HB102K	AA			0.001 μ F,50V
C252	VCKYCY1HB102K	AA			0.001 μ F,50V
C253	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C254	VCKYCY1HB103K	AA			0.01 μ F,50V
C301	VCCCCY1HH221J	AA			220 pF (CH),50V
C302	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C303	VCKYCY1HF104Z	AB			0.1 μ F,50V
C305	VCCCCY1HH120J	AA			12 pF (CH),50V
C306	VCKYCY1HB103K	AA			0.01 μ F,50V
C307	VCCCCY1HH180J	AA			18 pF (CH),50V
C308	VCKYCY1HB683K	AB			0.068 μ F,50V
C309	VCKYCY1HB102K	AA			0.001 μ F,50V
C310	VCCCCY1HH270J	AA			27 pF (CH),50V
C311	VCCCCY1HH561J	AB			560 pF (CH),50V
C312	VCKYCY1EB104K	AD			0.1 μ F,25V
C313	VCKYCY1HF104Z	AB			0.1 μ F,50V
C314	VCKYCY1HB103K	AA			0.01 μ F,50V
C315	RC-GZA226AF1H	AB			22 μ F,50V,Electrolytic
C316	VCCCCY1HH330J	AA			33 pF (CH),50V
C317	VCKYCY1HB102K	AA			0.001 μ F,50V
C318	VCKYCY1HB103K	AA			0.01 μ F,50V
C319	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C320	VCCCCY1HH101J	AA			100 pF (CH),50V
C321	RC-GZA334AF1H	AA			0.33 μ F,50V,Electrolytic
C322	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C323	RC-GZA474AF1H	AA			0.47 μ F,50V,Electrolytic
C324	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C325	RC-GZA226AF1H	AB			22 μ F,50V,Electrolytic
C326	VCKYCY1HF104Z	AB			0.1 μ F,50V
C327	VCKYCY1EB183K	AB			0.018 μ F,25V
C328	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C329	VCKYCY1HB333K	AB			0.033 μ F,50V
C330	RC-GZA226AF1H	AB			22 μ F,50V,Electrolytic
C331	VCKYCY1EB183K	AB			0.018 μ F,25V
C332	VCKYCY1HB102K	AA			0.001 μ F,50V
C333	RC-GZA475AF1H	AB			4.7 μ F,50V,Electrolytic
C334	VCKYCY1HB101K	AB			100 pF,50V
C335	RC-GZA226AF1H	AB			22 μ F,50V,Electrolytic
C336	VCKYCY1HB101K	AB			100 pF,50V
C337	VCKYCY1HB101K	AB			100 pF,50V
C338	VCKYCY1HF104Z	AB			0.1 μ F,50V
C339	VCKYCY1HF104Z	AB			0.1 μ F,50V
C340	VCKYCY1HF104Z	AB			0.1 μ F,50V
C341	VCCCCY1HH100J	AA			10 pF (CH),50V
C342	VCCCCY1HH100J	AA			10 pF (CH),50V
C343	VCCSCY1HL5R0C	AD			5 pF,50V
C344	VCCCCY1HH330J	AA			33 pF (CH),50V
C345	VCCCCY1HH5R0C	AA			5 pF (CH),50V
C349	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C351	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C363	VCKYCY1HF104Z	AB			0.1 μ F,50V
C366	VCKYCY1HF104Z	AB			0.1 μ F,50V
C369	VCKYPA1HF104Z	AB			0.1 μ F,50V
C372	VCKYCY1HF104Z	AB			0.1 μ F,50V
C399	VCKYCY1HF104Z	AB			0.1 μ F,50V
C401	VCKYCY1HF104Z	AB			0.1 μ F,50V
C402	VCKYCY1HF104Z	AB			0.1 μ F,50V
C404	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C405	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C406	RC-GZA225AF1H	AB			2.2 μ F,50V,Electrolytic
C501	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C502	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C503	VCKYCY1EB104K	AD			0.1 μ F,25V
C504	VCKYCY1EB104K	AD			0.1 μ F,25V
C506	RC-GZA104AF1H	AB			0.1 μ F,50V,Electrolytic
C507	VCCCCY1HH100J	AA			10 pF (CH),50V
C508	RC-GZA224AF1H	AA			0.22 μ F,50V,Electrolytic
C509	RC-GZA104AF1H	AB			0.1 μ F,50V,Electrolytic
C510	RC-GZA224AF1H	AA			0.22 μ F,50V,Electrolytic
C511	VCKYCY1HB472K	AA			0.0047 μ F,50V
C512	VCKYCY1HB272K	AA			0.0027 μ F,50V
C513	VCKYCY1HB472K	AA			0.0047 μ F,50V
C514	VCKYCY1HB272K	AA			0.0027 μ F,50V
C515	RC-GZA224AF1H	AA			0.22 μ F,50V,Electrolytic
C516	RC-GZA224AF1H	AA			0.22 μ F,50V,Electrolytic
C517	RC-GZA227AF1A	AB			220 μ F,10V,Electrolytic
C518	VCKYCY1HB103K	AA			0.01 μ F,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C519	VCKYCY1HB102K	AA			0.001 μ F,50V
C520	VCKYCY1HB102K	AA			0.001 μ F,50V
C521	VCCCCY1HH470J	AA			47 pF (CH),50V
C522	VCKYCY1EF104Z	AA			0.1 μ F,25V
C523	VCQYKA1HM562J	AA			0.0056 μ F,50V,Mylar
C524	VCCCCY1HH470J	AA			47 pF (CH),50V
C526	RC-GZA475AF1H	AB			4.7 μ F,50V,Electrolytic
C527	VCKYCY1HB332K	AA			0.0033 μ F,50V
C528	VCKYCY1HB332K	AA			0.0033 μ F,50V
C529	VCKYCY1HB122K	AA			0.0012 μ F,50V
C530	VCKYCY1HB122K	AA			0.0012 μ F,50V
C531	VCKYCY1HB153K	AA			0.015 μ F,50V
C532	VCKYCY1HB153K	AA			0.015 μ F,50V
C533	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C534	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C536	VCKYCY1HB103K	AA			0.01 μ F,50V
C537	VCKYCY1HB103K	AA			0.01 μ F,50V
C538	VCCCCY1HH181J	AA			180 pF (CH),50V
C539	VCCCCY1HH181J	AA			180 pF (CH),50V
C540	VCCCCY1HH391J	AB			390 pF (CH),50V
C541	VCCCCY1HH391J	AB			390 pF (CH),50V
C542	VCKYCY1EF104Z	AA			0.1 μ F,25V
C543	VCKYCY1HB472K	AA			0.0047 μ F,50V
C544	VCKYCY1HB472K	AA			0.0047 μ F,50V
C545	VCKYCY1HB332K	AA			0.0033 μ F,50V
C546	VCKYCY1HB332K	AA			0.0033 μ F,50V
C701	RC-EZD227AF1A	AC			220 μ F,10V,Electrolytic
C702	VCKYCY1CB473K	AA			0.047 μ F,16V
C703	RC-EZD107AF1A	AB			100 μ F,10V,Electrolytic
C704	RC-EZD226AF1H	AB			22 μ F,50V,Electrolytic
C705	VCKYCY1EF104Z	AA			0.1 μ F,25V
C706	VCCCCY1HH200J	AA			20 pF (CH),50V
C707	VCCCCY1HH200J	AA			20 pF (CH),50V
C708	VCCCCY1HH150J	AA			15 pF (CH),50V
C709	VCCCCY1HH150J	AA			15 pF (CH),50V
C710	VCKYCY1EF104Z	AA			0.1 μ F,25V
C711	VCKYCY1HB102K	AA			0.001 μ F,50V
C712	VCKYCY1HB102K	AA			0.001 μ F,50V
C713	VCKYCY1HB102K	AA			0.001 μ F,50V
C714	VCKYCY1HB102K	AA			0.001 μ F,50V
C715	VCKYCY1HB102K	AA			0.001 μ F,50V
C716	VCKYCY1HB151K	AA			150 pF,50V
C717	VCKYCY1EF104Z	AA			0.1 μ F,25V
C718	VCKYCY1EF104Z	AA			0.1 μ F,25V
C719	VCKYCY1HB102K	AA			0.001 μ F,50V
C720	VCKYCY1HB103K	AA			0.01 μ F,50V
C721	VCKYCY1EF104Z	AA			0.1 μ F,25V
C722	VCKYCY1EF104Z	AA			0.1 μ F,25V
C723	VCKYCY1HB103K	AA			0.01 μ F,50V
C724	VCCCCY1HH101J	AA			100 pF (CH),50V
C726	VCCCCY1HH331J	AA			330 pF (CH),50V
C727	VCCCCY1HH101J	AA			100 pF (CH),50V
C728	VCCCCY1HH101J	AA			100 pF (CH),50V
C729	VCCCCY1HH101J	AA			100 pF (CH),50V
C730	VCKYCY1HB102K	AA			0.001 μ F,50V
C731	VCKYCY1HB102K	AA			0.001 μ F,50V
C732	RC-EZD476AF1V	AC			47 μ F,35V,Electrolytic
C733	RC-EZD105AF1H	AB			1 μ F,50V,Electrolytic
C734	RC-EZD105AF1H	AB			1 μ F,50V,Electrolytic
C736	VCKYCY1HB101K	AB			100 pF,50V
C738	VCCCCY1HH101J	AA			100 pF (CH),50V
C801	VCKYCY1EF104Z	AA			0.1 μ F,25V
C802	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C803	VCKYCY1EF104Z	AA			0.1 μ F,25V
C804	RC-GZA477AF1A	AC			470 μ F,10V,Electrolytic
C805	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C806	VCKYCY1EF104Z	AA			0.1 μ F,25V
C807	VCCCCY1HH821J	AB			820 pF (CH),50V
C808	VCCCCY1HH221J	AA			220 pF (CH),50V
C809	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C810	VCKYCY1EB334K	AC			0.33 μ F,25V
C811	VCKYCY1CB473K	AA			0.047 μ F,16V
C812	VCKYCY1EB393K	AB			0.039 μ F,25V
C813	VCKYCY1EB104K	AD			0.1 μ F,25V
C814	VCKYCY1CB473K	AA			0.047 μ F,16V
C815	VCKYCY1HB152K	AA			0.0015 μ F,50V
C816	VCKYCY1HB152K	AA			0.0015 μ F,50V
C817	VCKYCY1HB152K	AA			0.0015 μ F,50V
C818	VCKYCY1HB472K	AA			0.0047 μ F,50V
C819	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C820	VCKYCY1EB223K	AB			0.022 μ F,25V
C821	VCKYCY1EB223K	AB			0.022 μ F,25V
C822	VCKYCY1EF104Z	AA			0.1 μ F,25V
C825	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C827	VCKYCY1EF104Z	AA			0.1 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C843	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C844	RC-GZA474AF1H	AA			0.47 μ F,50V,Electrolytic
C845	RC-GZA474AF1H	AA			0.47 μ F,50V,Electrolytic
C846	VCKYCY1HB102K	AA			0.001 μ F,50V
C847	VCKYCY1HB102K	AA			0.001 μ F,50V
C848	VCKYCY1HB102K	AA			0.001 μ F,50V
C849	VCKYCY1HB102K	AA			0.001 μ F,50V
C851	RC-GZA477AF0J	AB			470 μ F,6.3V,Electrolytic
C852	RC-GZA477AF0J	AB			470 μ F,6.3V,Electrolytic
C853	RC-GZA477AF0J	AB			470 μ F,6.3V,Electrolytic
C854	RC-GZA477AF0J	AB			470 μ F,6.3V,Electrolytic
C855	VCKYCY1AF105Z	AB			1 μ F,10V
C856	VCKYCY1AF105Z	AB			1 μ F,10V
C857	VCKYCY1EF104Z	AA			0.1 μ F,25V
C858	VCCCCY1HH470J	AA			47 pF (CH),50V
C859	VCCCCY1HH470J	AA			47 pF (CH),50V
C860	VCKYCY1EF104Z	AA			0.1 μ F,25V
C861	VCKYCY1HB102K	AA			0.001 μ F,50V
C862	VCCCCY1HH101J	AA			100 pF (CH),50V
C863	VCCCCY1HH101J	AA			100 pF (CH),50V
C864	VCCCCY1HH101J	AA			100 pF (CH),50V
C865	VCKYCY1EF104Z	AA			0.1 μ F,25V
C866	VCKYCY1EF104Z	AA			0.1 μ F,25V
C867	VCKYCY1EF104Z	AA			0.1 μ F,25V
C868	VCCCCY1HH120J	AA			12 pF (CH),50V
C869	VCCCCY1HH120J	AA			12 pF (CH),50V
C870	VCKYCY1EF104Z	AA			0.1 μ F,25V
C871	RC-GZA477AF0J	AB			470 μ F,6.3V,Electrolytic
C872	VCKYCY1EF104Z	AA			0.1 μ F,25V
C873	VCKYCY1EF104Z	AA			0.1 μ F,25V
C874	VCKYCY1EB823K	AB			0.082 μ F,25V
C875	VCKYCY1HB102K	AA			0.001 μ F,50V
C876	VCKYCY1EB104K	AD			0.1 μ F,25V
C877	VCCCCY1HH681J	AC			680 pF (CH),50V
C878	VCKYCY1HB153K	AA			0.015 μ F,50V
C879	VCKYCY1EF104Z	AA			0.1 μ F,25V
C880	VCKYCY1AF105Z	AB			1 μ F,10V
C881	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C882	VCKYCY1EF104Z	AA			0.1 μ F,25V
C883	VCKYCY1EF104Z	AA			0.1 μ F,25V
C884	VCKYCY1EF104Z	AA			0.1 μ F,25V
C885	VCKYCY1EF104Z	AA			0.1 μ F,25V
C886	VCKYCY1EF104Z	AA			0.1 μ F,25V
C887	VCKYCY1EF104Z	AA			0.1 μ F,25V
C888	VCKYCY1EF104Z	AA			0.1 μ F,25V
C889	VCKYCY1EF104Z	AA			0.1 μ F,25V
[9] RESISTORS					
C304	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR303	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR305	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR306	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR307	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR308	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR309	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR310	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR311	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR401	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR502	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR701	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR702	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR703	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR704	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR706	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR801	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR802	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR803	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR804	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR805	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR806	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR810	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR811	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
⚠ R11	VRD-ST2CD680J	AA			68 ohms,1/6W
⚠ R12	VRD-ST2CD680J	AA			68 ohms,1/6W
⚠ R13	VRD-ST2CD820J	AA			82 ohms,1/6W
⚠ R14	VRD-ST2CD820J	AA			82 ohms,1/6W
R101	VRD-ST2EE471J	AA			470 ohms,1/4W
R102	VRD-ST2EE471J	AA			470 ohms,1/4W
R103	VRD-ST2CD100J	AA			10 ohm,1/6W
R104	VRD-ST2CD100J	AA			10 ohm,1/6W
R105	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R106	VRD-ST2CD100J	AA			10 ohm,1/6W
R107	VRD-ST2CD100J	AA			10 ohm,1/6W
R108	VRD-ST2CD472J	AA			4.7 kohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R109	VRS-CY1JB101J	AA			100 ohm,1/16W
R110	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R111	VRS-CY1JB681J	AA			680 ohms,1/16W
R113	VRS-CY1JB123J	AA			12 kohms,1/16W
R114	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R115	VRS-CY1JB102J	AA			1 kohm,1/16W
R116	VRS-CY1JB103J	AA			10 kohm,1/16W
R117	VRS-CY1JB103J	AA			10 kohm,1/16W
R118	VRS-CY1JB101J	AA			100 ohm,1/16W
R122	VRS-CY1JB560J	AA			56 ohms,1/16W
R123	VRS-CY1JB821J	AA			820 ohms,1/16W
R124	VRS-CY1JB821J	AA			820 ohms,1/16W
R125	VRS-CY1JB223J	AA			22 kohms,1/16W
R126	VRD-ST2CD680J	AA			68 ohms,1/6W
R127	VRS-CY1JB184J	AA			180 kohms,1/16W
R129	VRS-CY1JB473J	AA			47 kohms,1/16W
R132	VRS-CY1JB123J	AA			12 kohms,1/16W
R133	VRS-CY1JB123J	AA			12 kohms,1/16W
R152	VRS-CY1JB102J	AA			1 kohm,1/16W
R153	VRS-CY1JB102J	AA			1 kohm,1/16W
R154	VRS-CY1JB100J	AA			10 ohm,1/16W
R155	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R156	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R158	VRD-ST2CD224J	AA			220 kohms,1/6W
R159	VRD-ST2CD333J	AA			33 kohms,1/6W
R160	VRS-CY1JB330J	AA			33 ohms,1/16W
R161	VRD-ST2CD331J	AA			330 ohms,1/6W
R201	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R202	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R203	VRS-CY1JB563J	AA			56 kohms,1/16W
R204	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R205	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R206	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R207	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R208	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R209	VRS-CY1JB563J	AA			56 kohms,1/16W
R210	VRS-CY1JB563J	AA			56 kohms,1/16W
R211	VRD-ST2CD333J	AA			33 kohms,1/6W
R212	VRS-VV3AAR22J	AC			2.2 ohms,1W
R213	VRS-VV3AAR22J	AC			2.2 ohms,1W
R214	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R215	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R216	VRS-CY1JB101J	AA			100 ohm,1/16W
R217	VRS-CY1JB101J	AA			100 ohm,1/16W
R218	VRS-CY1JB123J	AA			12 kohms,1/16W
R219	VRS-CY1JB123J	AA			12 kohms,1/16W
R220	VRD-ST2CD102J	AA			1 kohm,1/6W
R221	VRD-ST2CD102J	AA			1 kohm,1/6W
R222	VRS-CY1JB103J	AA			10 kohm,1/16W
R223	VRS-CY1JB103J	AA			10 kohm,1/16W
R224	VRS-CY1JB563J	AA			56 kohms,1/16W
R248	VRS-CY1JB101J	AA			100 ohm,1/16W
R249	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R250	VRS-CY1JB223J	AA			22 kohms,1/16W
R251	VRS-CY1JB223J	AA			22 kohms,1/16W
R256	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R257	VRS-CY1JB154J	AA			150 kohms,1/16W
R258	VRS-CY1JB154J	AA			150 kohms,1/16W
R259	VRS-CY1JB473J	AA			47 kohms,1/16W
R260	VRS-CY1JB473J	AA			47 kohms,1/16W
R261	VRS-CY1JB473J	AA			47 kohms,1/16W
R262	VRS-CY1JB473J	AA			47 kohms,1/16W
R263	VRS-CY1JB123J	AA			12 kohms,1/16W
R264	VRS-CY1JB473J	AA			47 kohms,1/16W
R267	VRS-CY1JB101J	AA			100 ohm,1/16W
R268	VRS-CY1JB103J	AA			10 kohm,1/16W
R269	VRS-CY1JB223J	AA			22 kohms,1/16W
R270	VRS-CY1JB103J	AA			10 kohm,1/16W
R271	VRS-CY1JB223J	AA			22 kohms,1/16W
R272	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R273	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R274	VRS-CY1JB103J	AA			10 kohm,1/16W
R275	VRS-CY1JB103J	AA			10 kohm,1/16W
R280	VRS-CY1JB101J	AA			100 ohm,1/16W
R301	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R302	VRD-ST2CD100J	AA			10 ohm,1/6W
R303	VRD-ST2CD103J	AA			10 kohm,1/6W
R304	VRS-CY1JB104J	AA			100 kohm,1/16W
R305	VRS-CY1JB104J	AA			100 kohm,1/16W
R306	VRS-CY1JB100J	AA			10 ohm,1/16W
R307	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R308	VRS-CY1JB102J	AA			1 kohm,1/16W
R309	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R310	VRD-ST2CD104J	AA			100 kohm,1/6W
R311	VRD-ST2CD102J	AA			1 kohm,1/6W

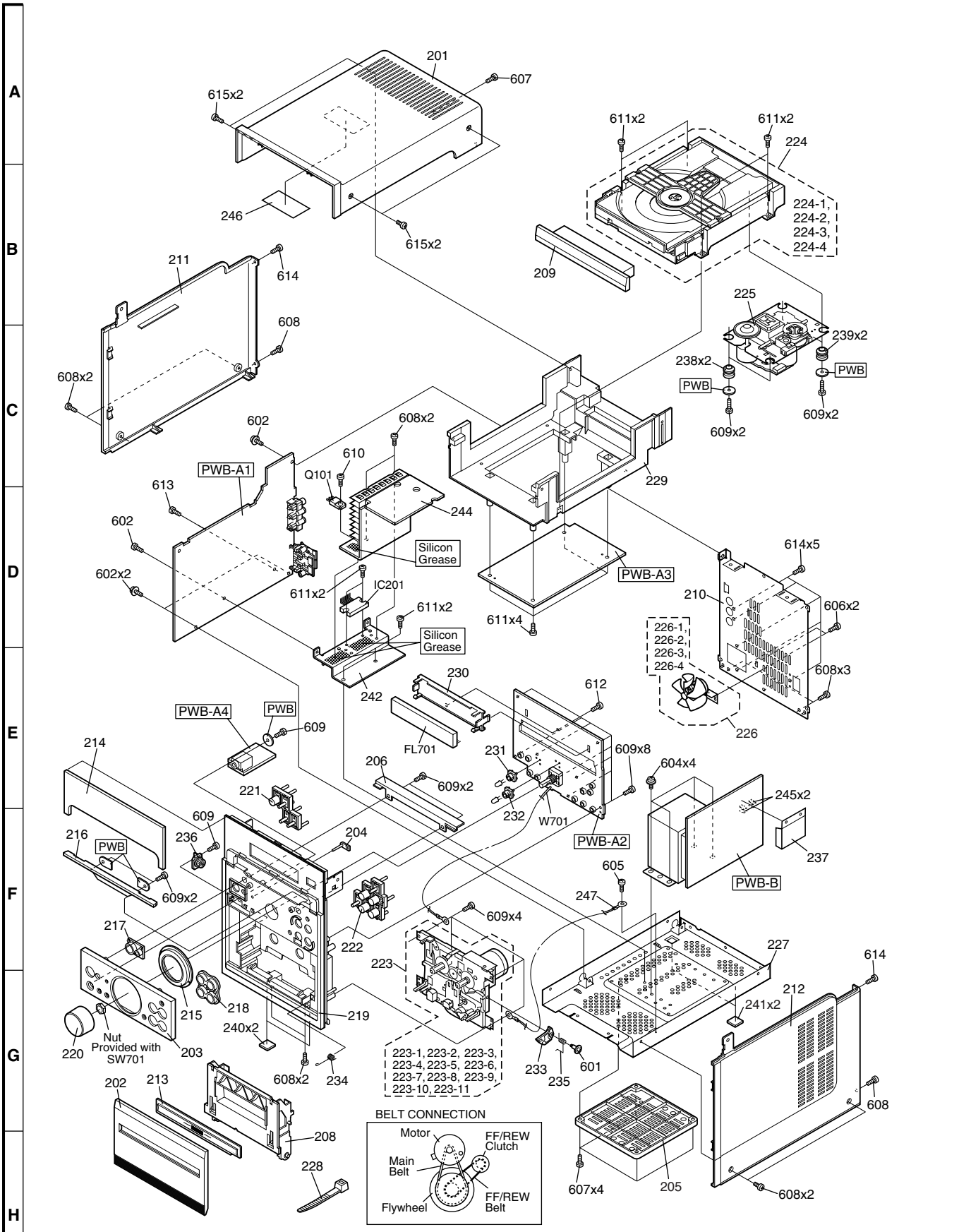
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R312	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R313	VRS-CY1JB103J	AA			10 kohm,1/16W
R314	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R315	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R316	VRS-CY1JB223J	AA			22 kohms,1/16W
R317	VRS-CY1JB102J	AA			1 kohm,1/16W
R318	VRS-CY1JB102J	AA			1 kohm,1/16W
R319	VRS-CY1JB104J	AA			100 kohm,1/16W
R320	VRS-CY1JB473J	AA			47 kohms,1/16W
R321	VRS-CY1JB102J	AA			1 kohm,1/16W
R322	VRS-CY1JB104J	AA			100 kohm,1/16W
R323	VRD-ST2CD391J	AA			390 ohms,1/6W
R324	VRS-CY1JB102J	AA			1 kohm,1/16W
R325	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8Å~1.55mm,Green
R326	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R327	VRS-CY1JB221J	AA			220 ohms,1/16W
R328	VRS-CY1JB104J	AA			100 kohm,1/16W
R329	VRS-CY1JB331J	AA			330 ohms,1/16W
R335	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R336	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R353	VRS-CY1JB103J	AA			10 kohm,1/16W
R354	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R359	VRS-CY1JB100J	AA			10 ohm,1/16W
R363	VRS-CY1JB103J	AA			10 kohm,1/16W
R364	VRS-CY1JB103J	AA			10 kohm,1/16W
R371	VRS-CY1JB330J	AA			33 ohms,1/16W
R372	VRS-CY1JB331J	AA			330 ohms,1/16W
R373	VRS-CY1JB105J	AA			1 Mohm,1/16W
R374	VRS-CY1JB101J	AA			100 ohm,1/16W
R375	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R376	VRS-CY1JB681J	AA			680 ohms,1/16W
R403	VRS-CY1JB103J	AA			10 kohm,1/16W
R407	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R409	VRS-CY1JB223J	AA			22 kohms,1/16W
R410	VRS-CY1JB474J	AA			470 kohms,1/16W
R411	VRS-CY1JB101J	AA			100 ohm,1/16W
R412	VRS-CY1JB150J	AB			15 ohms,1/16W
R413	VRS-CY1JB150J	AB			15 ohms,1/16W
R414	VRS-CY1JB103J	AA			10 kohm,1/16W
R415	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R416	VRS-CY1JB273J	AA			27 kohms,1/16W
R501	VRS-CY1JB103J	AA			10 kohm,1/16W
R502	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R503	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R504	VRS-CY1JB334J	AA			330 kohms,1/16W
R505	VRS-CY1JB223J	AA			22 kohms,1/16W
R506	VRS-CY1JB471J	AA			470 ohms,1/16W
R507	VRS-CY1JB334J	AA			330 kohms,1/16W
R508	VRS-CY1JB223J	AA			22 kohms,1/16W
R509	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R510	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R511	VRD-ST2CD683J	AA			68 kohms,1/6W
R512	VRS-CY1JB183J	AA			18 kohms,1/16W
R513	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R514	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R515	VRD-ST2CD683J	AA			68 kohms,1/6W
R516	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R517	VRS-CY1JB8R2J	AA			8.2 ohms,1/16W
R518	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R519	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R520	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R521	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R522	VRD-ST2CD473J	AA			47 kohms,1/6W
R523	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R524	VRD-ST2CD473J	AA			47 kohms,1/6W
R525	VRD-ST2CD102J	AA			1 kohm,1/6W
R526	VRD-ST2CD102J	AA			1 kohm,1/6W
R527	VRD-ST2CD101J	AA			100 ohm,1/6W
R528	VRS-CY1JB103J	AA			10 kohm,1/16W
R529	VRD-ST2CD101J	AA			100 ohm,1/6W
R530	VRS-CY1JB103J	AA			10 kohm,1/16W
R531	VRD-ST2EE120J	AA			12 ohms,1/4W
R532	VRS-CY1JB273J	AA			27 kohms,1/16W
R533	VRS-CY1JB394J	AA			390 kohms,1/16W
R534	VRS-CY1JB123J	AA			12 kohms,1/16W
R535	VRS-CY1JB394J	AA			390 kohms,1/16W
R536	VRS-CY1JB123J	AA			12 kohms,1/16W
R537	VRS-CY1JB473J	AA			47 kohms,1/16W
R538	VRS-CY1JB473J	AA			47 kohms,1/16W
R539	VRS-CY1JB123J	AA			12 kohms,1/16W
R540	VRD-ST2CD473J	AA			47 kohms,1/6W
R541	VRS-CY1JB121J	AA			120 ohms,1/16W
R542	VRS-CY1JB121J	AA			120 ohms,1/16W
R543	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R545	VRD-ST2CD104J	AA			100 kohm,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R546	VRS-CY1JB333J	AA			33 kohms,1/16W
R547	VRD-ST2CD103J	AA			10 kohm,1/6W
R548	VRS-CY1JB681J	AA			680 ohms,1/16W
R549	VRS-CY1JB473J	AA			47 kohms,1/16W
R550	VRS-CY1JB473J	AA			47 kohms,1/16W
R551	VRS-CY1JB101J	AA			100 ohm,1/16W
R554	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R555	VRS-CY1JB473J	AA			47 kohms,1/16W
R556	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R557	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R560	VRS-CY1JB223J	AA			22 kohms,1/16W
R561	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R562	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R563	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R564	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R565	VRS-CY1JB223J	AA			22 kohms,1/16W
R566	VRD-ST2CD473J	AA			47 kohms,1/6W
R567	VRD-ST2CD473J	AA			47 kohms,1/6W
R568	VRS-CY1JB153J	AA			15 kohms,1/16W
R569	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R570	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R571	VRD-ST2CD331J	AA			330 ohms,1/6W
R572	VRD-ST2CD681J	AA			680 ohms,1/6W
R573	VRS-CY1JB473J	AA			47 kohms,1/16W
R574	VRS-CY1JB473J	AA			47 kohms,1/16W
R575	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R576	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R577	VRD-ST2CD331J	AA			330 ohms,1/6W
R621	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8Å~1.55mm,Green
R622	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8Å~1.55mm,Green
R701	VRD-ST2CD102J	AA			1 kohm,1/6W
R702	VRD-ST2CD101J	AA			100 ohm,1/6W
R703	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R704	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R705	VRS-CY1JB104J	AA			100 kohm,1/16W
R706	VRD-ST2CD101J	AA			100 ohm,1/6W
R707	VRD-ST2CD101J	AA			100 ohm,1/6W
R708	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R709	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R710	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R711	VRD-ST2CD102J	AA			1 kohm,1/6W
R712	VRD-ST2CD101J	AA			100 ohm,1/6W
R713	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R714	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R715	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R716	VRD-ST2CD101J	AA			100 ohm,1/6W
R717	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R718	VRD-ST2CD102J	AA			1 kohm,1/6W
R719	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R720	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R721	VRS-CY1JB102J	AA			1 kohm,1/16W
R722	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R723	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R724	VRS-CY1JB333J	AA			33 kohms,1/16W
R725	VRS-CY1JB101J	AA			100 ohm,1/16W
R726	VRD-ST2CD223J	AA			22 kohms,1/6W
R727	VRD-ST2CD223J	AA			22 kohms,1/6W
R728	VRD-ST2CD223J	AA			22 kohms,1/6W
R731	VRS-CY1JB221J	AA			220 ohms,1/16W
R732	VRS-CY1JB104J	AA			100 kohm,1/16W
R733	VRD-ST2CD334J	AA			330 kohms,1/6W
R734	VRS-CY1JB102J	AA			1 kohm,1/16W
R735	VRS-CY1JB221J	AA			220 ohms,1/16W
R736	VRD-ST2CD223J	AA			22 kohms,1/6W
R737	VRS-CY1JB104J	AA			100 kohm,1/16W
R739	VRS-CY1JB102J	AA			1 kohm,1/16W
R740	VRS-CY1JB102J	AA			1 kohm,1/16W
R741	VRS-CY1JB102J	AA			1 kohm,1/16W
R742	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R743	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R744	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R745	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R746	VRS-CY1JB123J	AA			12 kohms,1/16W
R747	VRS-CY1JB123J	AA			12 kohms,1/16W
R748	VRS-CY1JB223J	AA			22 kohms,1/16W
R749	VRD-ST2CD102J	AA			1 kohm,1/6W
R750	VRD-ST2CD102J	AA			1 kohm,1/6W
R751	VRD-ST2CD102J	AA			1 kohm,1/6W
R753	VRD-ST2CD121J	AA			120 ohms,1/6W
R755	VRD-ST2CD221J	AA			220 ohms,1/6W
R756	VRD-ST2CD473J	AA			47 kohms,1/6W
R757	VRD-ST2CD1R0J	AA			1 ohm,1/6W
R759	VRD-ST2CD471J	AA			470 ohms,1/6W
R760	VRD-ST2CD223J	AA			22 kohms,1/6W
R761	VRS-CY1JB103J	AA			10 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R762	VRS-CY1JB223J	AA			22 kohms,1/16W
R763	VRD-ST2CD101J	AA			100 ohm,1/6W
R764	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R766	VRS-CY1JB101J	AA			100 ohm,1/16W
R767	VRS-CY1JB101J	AA			100 ohm,1/16W
R768	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R769	VRS-CY1JB102J	AA			1 kohm,1/16W
R770	VRS-CY1JB102J	AA			1 kohm,1/16W
R771	VRS-CY1JB101J	AA			100 ohm,1/16W
R772	VRS-CY1JB102J	AA			1 kohm,1/16W
R773	VRS-CY1JB102J	AA			1 kohm,1/16W
R774	VRD-ST2CD101J	AA			100 ohm,1/6W
R775	VRS-CY1JB223J	AA			22 kohms,1/16W
R776	VRD-ST2CD121J	AA			120 ohms,1/6W
R777	VRD-ST2CD471J	AA			470 ohms,1/6W
R778	VRD-ST2CD101J	AA			100 ohm,1/6W
R779	VRD-ST2CD101J	AA			100 ohm,1/6W
R780	VRS-CY1JB103J	AA			10 kohm,1/16W
R781	VRD-ST2CD103J	AA			10 kohm,1/6W
R782	VRS-CY1JB103J	AA			10 kohm,1/16W
R784	VRS-CY1JB102J	AA			1 kohm,1/16W
R785	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R796	VRD-ST2CD103J	AA			10 kohm,1/6W
R797	VRS-CY1JB103J	AA			10 kohm,1/16W
R799	VRD-ST2CD104J	AA			100 kohm,1/6W
R801	VRS-CY1JB101J	AA			100 ohm,1/16W
R802	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R803	VRS-CY1JB473J	AA			47 kohms,1/16W
R804	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R805	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R806	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R807	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R808	VRS-CY1JB101J	AA			100 ohm,1/16W
R810	VRD-ST2CD331J	AA			330 ohms,1/6W
R811	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R812	VRS-CY1JB100J	AA			10 ohm,1/16W
R813	VRS-CY1JB102J	AA			1 kohm,1/16W
R814	VRD-ST2CD473J	AA			47 kohms,1/6W
R816	VRD-ST2CD560J	AA			56 ohms,1/6W
R817	VRS-CY1JB223J	AA			22 kohms,1/16W
R818	VRS-CY1JB823J	AA			82 kohms,1/16W
R819	VRD-ST2CD560J	AA			56 ohms,1/6W
R820	VRS-CY1JB752J	AA			7.5 kohms,1/16W
R821	VRD-ST2CD471J	AA			470 ohms,1/6W
R822	VRD-ST2CD560J	AA			56 ohms,1/6W
R823	VRS-CY1JB221J	AA			220 ohms,1/16W
R824	VRD-ST2CD103J	AA			10 kohm,1/6W
R826	VRD-ST2CD223J	AA			22 kohms,1/6W
R827	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R828	VRS-CY1JB223J	AA			22 kohms,1/16W
R829	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R830	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R831	VRS-CY1JB683J	AA			68 kohms,1/16W
R832	VRS-CY1JB100J	AA			10 ohm,1/16W
R833	VRS-CY1JB333J	AA			33 kohms,1/16W
R834	VRS-CY1JB223J	AA			22 kohms,1/16W
R835	VRS-CY1JB223J	AA			22 kohms,1/16W
R836	VRS-CY1JB333J	AA			33 kohms,1/16W
R837	VRD-ST2CD683J	AA			68 kohms,1/6W
R838	VRD-ST2CD183J	AA			18 kohms,1/6W
R839	VRD-ST2CD102J	AA			1 kohm,1/6W
R840	VRS-CY1JB223J	AA			22 kohms,1/16W
R841	VRS-CY1JB223J	AA			22 kohms,1/16W
R842	VRS-CY1JB223J	AA			22 kohms,1/16W
R843	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R844	VRD-ST2CD221J	AA			220 ohms,1/6W
R845	VRS-CY1JB101J	AA			100 ohm,1/16W
R846	VRD-ST2CD102J	AA			1 kohm,1/6W
R847	VRD-ST2CD103J	AA			10 kohm,1/6W
R848	VRS-CY1JB221J	AA			220 ohms,1/16W
R849	VRS-CY1JB221J	AA			220 ohms,1/16W
R850	VRS-CY1JB101J	AA			100 ohm,1/16W
R851	VRS-CY1JB101J	AA			100 ohm,1/16W
R854	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R856	VRS-CY1JB821J	AA			820 ohms,1/16W
R857	VRD-ST2CD223J	AA			22 kohms,1/6W
R858	VRS-CY1JB223J	AA			22 kohms,1/16W
R859	VRS-CY1JB103J	AA			10 kohm,1/16W
R860	VRS-CY1JB221J	AA			220 ohms,1/16W
R861	VRD-ST2CD101J	AA			100 ohm,1/6W
R862	VRS-CY1JB101J	AA			100 ohm,1/16W
R863	VRS-CY1JB105J	AA			1 Mohm,1/16W
R864	VRS-CY1JB221J	AA			220 ohms,1/16W
R865	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R866	VRS-CY1JB103J	AA			10 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R867	VRD-ST2CD103J	AA			10 kohm,1/6W
R868	VRS-CY1JB103J	AA			10 kohm,1/16W
R869	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R871	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R872	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R873	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R874	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R879	VRS-CY1JB821J	AA			820 ohms,1/16W
R880	VRS-CY1JB823J	AA			82 kohms,1/16W
R881	VRS-CY1JB333J	AA			33 kohms,1/16W
R882	VRS-CY1JB101J	AA			100 ohm,1/16W
R883	VRS-CY1JB101J	AA			100 ohm,1/16W
R884	VRS-CY1JB101J	AA			100 ohm,1/16W
R885	VRS-CY1JB101J	AA			100 ohm,1/16W
R886	VRS-CY1JB101J	AA			100 ohm,1/16W
R887	VRS-CY1JB101J	AA			100 ohm,1/16W
R888	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R889	VRS-CY1JB223J	AA			22 kohms,1/16W
R890	VRS-CY1JB102J	AA			1 kohm,1/16W
R891	VRD-ST2CD101J	AA			100 ohm,1/6W
R892	VRD-ST2CD101J	AA			100 ohm,1/6W
R893	VRD-ST2CD102J	AA			1 kohm,1/6W
R894	VRD-ST2CD101J	AA			100 ohm,1/6W
R895	VRD-ST2CD101J	AA			100 ohm,1/6W
R896	VRD-ST2CD102J	AA			1 kohm,1/6W
R897	VRD-ST2CD101J	AA			100 ohm,1/6W
R898	VRS-CY1JB104J	AA			100 kohm,1/16W
[10] OTHER CIRCUITRY PARTS					
CNA401	QCNWNA085SJZZ	AC			Connector Ass'y,2Pin
CNA501	QCNWNA069SJZZ	AF			Connector Ass'y,8Pin
⚠ CNP1	QCNCM998JAFZZ	AC			Plug,9Pin
CNP102	QCNCM999EAFZZ	AG			Plug,5Pin
CNP302	QCNCM042CSJZZ	AB			Plug,3Pin
CNP401	QCNCM038BSJZZ	AB			Plug,2Pin
CNP402	QCNCM999BAFZZ	AD			Plug,2Pin
CNP501	QCNCM999HAFZZ	AD			Plug,8Pin
CNS503	QCNCWA016SJ23	AE			Socket,23Pin
CNS504	QCNCWA007SJ06	AD			Socket,6Pin
CNS701	QCNCWA016SJ23	AE			Socket,23Pin
CNS702	QCNCWA007SJ11	AD			Socket,11Pin
CNS801	QCNCWA016SJ16	AE			Socket,16Pin
CNS804	QCNCLA007SJ11	AD			Socket,11Pin
CNS805	QCNCWA007SJ06	AD			Socket,6Pin
CNW101	QCNWNA062SJZZ	AG			Connector Ass'y,10/9Pin with CNS1
CNW102	QCNWNA063SJZZ	AD			Connector Ass'y,6/5Pin with CNS102
CNW502	QCNWNA066SJZZ	AE			Connector Ass'y,8/7Pin with CNS502
CNW710	QCNWNA101SJZZ	AC			Connector Ass'y,2/2Pin with CNS402
CNW802	QCNWNA067SJZZ	AE			Connector Ass'y,6/5Pin with CNS802
CNW803	QCNWNA028SJZZ	AE			Connector Ass'y,7/6Pin with CNS803
⚠ F101	QFS-D202BSJNi	AB			Fuse,2A/125V
FFC701	QCNWNA052SJZZ	AE			Flat Cable,23Pin
FFC702	QCNWNA051SJZZ	AD			Flat Cable,11Pin
FFC801	QCNWNA055SJZZ	AE			Flat Cable,16Pin
FFC805	QCNWNA056SJZZ	AD			Flat Cable,6Pin
FL701	VVK09SS53T/-1	AT			FL Display
⚠ J1	QSOCA0214AWZZ	AD			Socket AC Input
J101	QTANA9024SJZZ	AD			Terminal,Speaker
J102	QSOCJ0301SJZZ	AG			Socket,Video/AUX IN/Sub Woofer OUT
J103	QJAKM0001SJZZ	AG			Jack,Headphone
M401	RMOTV0409AFZZ	AL			Motor,Air Cooling Fan (226-4)
M501	9GD192112347	AX			Motor with Pulley [Tape] (223-9)
M801	9GD8188012A				Motor with Pulley [Loading] (224-1)
RX701	VHLGP1UD281-1	AL			Remote Sensor,GP1UD281
⚠ RY2	RRLYD0014AWZZ	AK			Relay
SOL501	9GD19212118	AP			Solenoid Ass'y (223-4)
SW501	9GD640101210	AE			Switch,Leaf Type [Fool Proof] (223-7)
SW502	9GD640101210	AE			Switch,Leaf Type [Cam] (223-8)
SW701	QSW-Z0003SJZZ	AG			Switch,Rotary Type,Jog [VOLUME]
SW702	QSW-K0002SJZZ	AC			Switch,Key Type [POWER ON/STAND-BY]
SW703	QSW-K0002SJZZ	AC			Switch,Key Type [FUNCTION]
SW704	QSW-K0002SJZZ	AC			Switch,Key Type [BASS/TREBLE]
SW705	QSW-K0002SJZZ	AC			Switch,Key Type [MEMORY/SET]
SW706	QSW-K0002SJZZ	AC			Switch,Key Type [OPEN/CLOSE]
SW707	QSW-K0002SJZZ	AC			Switch,Key Type [TUNING UP]
SW708	QSW-K0002SJZZ	AC			Switch,Key Type [TUNING DOUWN]
SW709	QSW-K0002SJZZ	AC			Switch,Key Type [PRESET UP]
SW710	QSW-K0002SJZZ	AC			Switch,Key Type [PRESET DOUWN]
SW711	QSW-K0002SJZZ	AC			Switch,Key Type [TAPE REC/PAUSE]
SW801	9GD8188015A				Switch,Leaf Type [Open/Close] (224-2)
W701	QCNWNA064SJZZ	AB			Lead Wire
W702	QCNWNA109SJZZ	AB			Lead Wire Ass'y

[11] CABINET PARTS



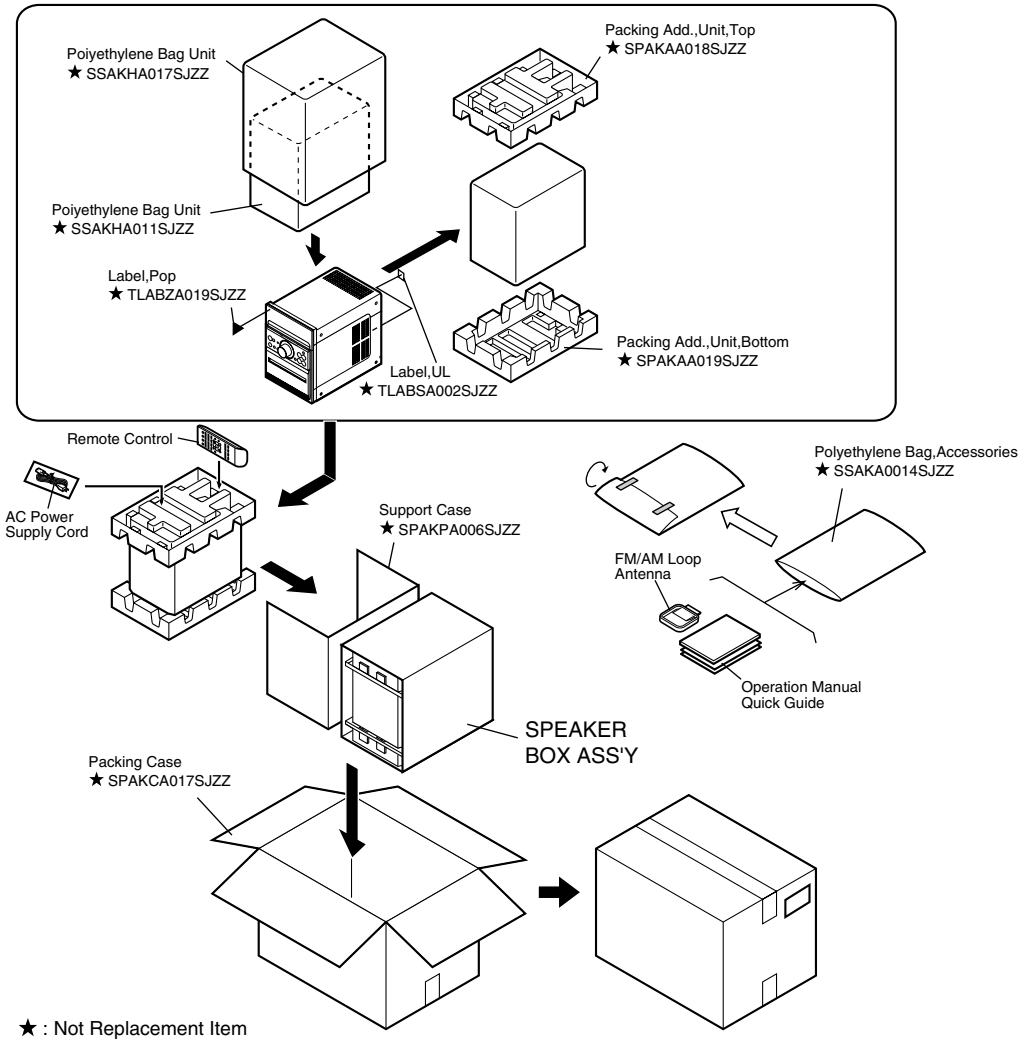
Note: Only the unit and consumale parts are supplied as parts supply for the Tape mechanism.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] CABINET PARTS					
201	GCABCA006SJSA	AN			Top Cabinet
202	GCOVAA011SJSA	AG			Cassette Cover
203	GCOVAA012SJSA	AG			Operation Panel
204	GCOVAA010SJSA	AD			LED Timer Cover
205	GCOVAA018SJZZ	AF			Chassis Cover
206	GCOVAA019SJSA	AD			PWB Cover
208	GDORFA004SJSA	AH			Cassette Holder
209	GDORTA002SJSA	AH			CD Lid
210	GiTARA018SJFW				Rear Panel [For U.S.A.]
210	GiTARA019SJFW				Rear Panel [Except for U.S.A.]
211	GiTASA005SJSA	AM			Side Panel,Left
212	GiTASA006SJSA	AM			Side Panel,Right
213	HDECQA026SJSA	AE			Cassette Window
214	HDECQA027SJSA	AK			FL Window
215	HDECQA028SJSA	AG			Jog decorate ring
216	HDECQA029SJSA	AE			Illumination Plate
217	HDECQA030SJSA	AE			Ring A
218	HDECQA031SJSA	AE			Ring B
219	HPNLCA004SJSA	AK			Front Panel
220	JKNBKA003SJSA	AG			Jog Knob
221	JKNBZA016SJSA	AF			Knob A
222	JKNBZA017SJSB	AF			Knob B
223	KMECBA002SJZZ	AY			Tape Mechanism Ass'y
223- 1	94R19210703	AE			Belt,REW/FF
223- 2	9GD19210943	AG			Belt,Main
223- 3	94R192104310	AL			Pinch Roller Arm Ass'y
223- 4	9GD19212118	AP			Solenoid Ass'y (SOL501)
223- 5	9GD62161401	AN			Head,Erase
223- 6	94GD62070122				Head,Record/Playback
223- 7	9GD640101210	AE			Switch,Leaf Type [Fool Proof] (SW501)
223- 8	9GD60990201				Switch,Leaf Type [Cam] (SW502)
223- 9	9GD192112347	AX			Motor with Pulley [Tape] (M501)
223-10	9GD192121303	AZ			Tape Mechanism PWB Ass'y (PWB-C)
223-11	9GD192121306	AP			Tape Mechanism PWB Ass'y (PWB-D)
224	KMECZA002SJZZ	AT			Loading Mechanism Ass'y
224- 1	9GD8188012A				Motor with Pulley [Loading] (M801)
224- 2	9GD8188015A				Switch,Leaf Type [Open/Close] (SW801)
224- 3	9GD8188013A				Loading Mechanism PWB (PWB-E)
224- 4	9GD8188016A				Belt
⚠ 225	KRPLE0025SJM2	BB			CD Mechanism Ass'y
226	CFANP0001SJ07	AM			Fan Motor Ass'y
226- 1	LANGKA025SJFW	AD			Bracket,Fan Motor
226- 2	MSPRK0001SJFJ	AC			Spring,Fan Stoper
226- 3	NFANP0001SJSA	AG			Fan
226- 4	RMOTV0409AFZZ	AL			Motor,Air Cooling Fan (M401)
227	LCHSMA003SJFW	AH			Chassis,Main
228	LHLDW1001SJZZ	AD			Nylon Band
229	LHLDZA014SJSA	AG			Holder,Loading Mechanism Unit
230	LHLDZA015SJSA	AC			FL Holder
231	LHLDZA019SJZZ	AB			LED Holder,Timer
232	LHLDZA022SJZZ	AB			LED Holder
233	MLEVP0002SJSA	AC			Lock Lever,Cassette
234	MSPRDA003SJFJ	AD			Spring,Cassette Holder
235	MSPRDA009SJFJ	AB			Spring,Cassette Lock Lever
236	NGERH0003SJSA	AE			Gear,Damper
237	PCOVSA002SJZZ				PWB Shield Cover
238	PCUSG0001AWSA	AD			Cushion (Green)
239	PCUSG0004AWSA	AD			Cushion (Brown)
240	PCUSGA003SJZZ	AB			Cushion,Leg,Front
241	PCUSGA010SJZZ	AB			Cushion,Leg,Rear
242	PRDARA012SJFW				Radiator,Main
244	PRDARA019SJFW				Radiator,Sub
⚠ 245	QFSHD1013CEZZ	AB			Holder,Fuse
246	TLABS0042SJZZ	AB			Label,Laser
247	QCNWNA068SJZZ	AC			Lead Wire Ass'y
601	LX-BZA001SJFD	AB			Screw,M2x5mm
602	LX-JZ0001SJFD	AA			Screw,M3x10mm
604	LX-JZA003SJFD	AB			Screw,M4x12mm
605	XHBSD30P06000	AA			Screw,M3x6mm
606	XHBSD20P03000	AA			Screw,M2x3mm
607	XHBSF30P06000	AA			Screw,M3x6mm
608	XHBSF30P08000	AA			Screw,M3x8mm
609	XJBSD25P10000	AD			Screw,M2.5x10mm
610	XJBSD30P08000	AA			Screw,M3x8mm
611	XJBSD30P10000	AA			Screw,M3x10mm
612	XJBSF30P06000	AA			Screw,M3x6mm
613	XJBSF30P08000	AA			Screw,M3x8mm
614	XJBSF30P10000	AA			Screw,M3x10mm
615	XJBSF30P12000	AA			Screw,M3x12mm
616	XJBSF30P16000	AA			Screw,M3x16mm
[12] SPEAKER BOX PARTS					
	B3CPXLE80				Speaker Box Ass'y,L-CH/R-CH

[13] PACKING PARTS

PACKING METHOD (FOR U.S.A. ONLY)

Setting position of switches and knobs	
Tape Mechanism	STOP
Cassette Holder	CLOSE
CD Lid	CLOSE



★ : Not Replacement Item

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] PACKING PARTS (Except for U.S.A.)					
	SPAKAA018SJZZ				Packing Add.,Unit,Top
	SPAKAA019SJZZ				Packing Add.,Unit,Bottom
	SPAKCA038SJZZ				Packing Case
	SPAKPA006SJZZ				Support Case
	SSAKA0014SJZZ	AB			Polyethylene Bag,Accessories
	SSAKHA011SJZZ	AD			Polyethylene Bag,Unit
	SSAKHA017SJZZ	AD			Poiyethylene Bag Unit
	TLABS0046SJZZ	AB			Label,CUL
	TLABZA019SJZZ				Label,Pop
[14] ACCESSORIES					
⚠	QACCU0003SJ00	AH			AC Power Supply Cord
	QANTL0009SJZZ	AG			FM/AM Loop Antenna
	TiNSEA013SJZZ	AE			Operation Manual [For U.S.A.]
	TiNSEA019SJZZ	AD			Quic Guide [For U.S.A. Only]
	TiNSKA002SJZZ				Operation Manual [Except for U.S.A.]
	RRMCGA006SJSA	AQ			Remote Control
	GCOVAA026SJSA				Battery Lid,Remote Control

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[15] P.W.B. ASSEMBLY (Not Replacement Item)					
PWB−A	DCEKKV436SJ03				Main (A1)/Display (A2)/CD Servo (A3)/Jack (A4)
⚠ PWB−B	DCEKAV436SJ03				Power
PWB−C	9GD192121303	AZ			Tape Mechanism PWB (223-10)
PWB−D	9GD192121306	AP			Tape Mechanism PWB (223-11)
PWB−E	9GD8188013A				Loading Mechanism PWB (224-3)
[16] OTHER SERVICE PARTS					
	UDSKA0004AFZZ	AZ			CD Pickup Lens Cleaner

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 B 】				
B3CPXLE80	12-			
【 C 】				
CFANP0001SJ07	11-226	AM		
【 D 】				
DCEKAV436SJ03	15-PWB-B			
DCEKKV436SJ03	15-PWB-A			
【 G 】				
GCABCA006SJSA	11-201	AN		
GCOVAA010SJSA	11-204	AD		
GCOVAA011SJSA	11-202	AG		
GCOVAA012SJSA	11-203	AG		
GCOVAA018SJZZ	11-205	AF		
GCOVAA019SJSA	11-206	AD		
GCOVAA026SJSA	14-			
GDORFA004SJSA	11-208	AH		
GDORTA002SJSA	11-209	AH		
GiTARA018SJFW	11-210			
GiTARA019SJFW	11-210			
GiTASA005SJSA	11-211	AM		
GiTASA006SJSA	11-212	AM		
【 H 】				
HDECQA026SJSA	11-213	AE		
HDECQA027SJSA	11-214	AK		
HDECQA028SJSA	11-215	AG		
HDECQA029SJSA	11-216	AE		
HDECQA030SJSA	11-217	AE		
HDECQA031SJSA	11-218	AE		
HPNLCA004SJSA	11-219	AK		
【 J 】				
JKNBKA003SJSA	11-220	AG		
JKNBZA016SJSA	11-221	AF		
JKNBZA017SJSB	11-222	AF		
【 K 】				
KMECBA002SJZZ	11-223	AY		
KMECZA002SJZZ	11-224	AT		
KRPLE0025SJM2	11-225	BB		
【 L 】				
LANGKA025SJFW	11-226- 1	AD		
LCHSMA003SJFW	11-227	AH		
LHLDW1001SJZZ	11-228	AD		
LHLDZA014SJSA	11-229	AG		
LHLDZA015SJSA	11-230	AC		
LHLDZA019SJZZ	11-231	AB		
LHLDZA022SJZZ	11-232	AB		
LX-BZA001SJFD	11-601	AB		
LX-JZ0001SJFD	11-602	AA		
LX-JZA003SJFD	11-604	AB		
【 M 】				
MLEVP0002SJSA	11-233	AC		
MSPRDA003SJFJ	11-234	AD		
MSPRDA009SJFJ	11-235	AB		
MSPRK0001SJFJ	11-226- 2	AC		
【 N 】				
NFANP0001SJSA	11-226- 3	AG		
NGERH0003SJSA	11-236	AE		
【 P 】				
PCOVSA002SJZZ	11-237			
PCUSG0001AWSA	11-238	AD		
PCUSG0004AWSA	11-239	AD		
PCUSGA003SJZZ	11-240	AB		
PCUSGA010SJZZ	11-241	AB		
PRDARA012SJFW	11-242			
PRDARA019SJFW	11-244			
【 Q 】				
QACCU0003SJ00	14-	AH		
QANTL0009SJZZ	14-	AG		
QCNCLA007SJ11	10-CNS804	AD		
QCNCM038BSJZZ	10-CNP401	AB		
QCNCM042CSJZZ	10-CNP302	AB		
QCNCM998JAFZZ	10-CNP1	AC		
QCNCM999BAFZZ	10-CNP402	AD		
QCNCM999EAFZZ	10-CNP102	AG		
QCNCM999HAFZZ	10-CNP501	AD		
QCNCWA007SJ06	10-CNS504	AD		
〃	10-CNS805	AD		
QCNCWA007SJ11	10-CNS702	AD		
QCNCWA016SJ16	10-CNS801	AE		
QCNCWA016SJ23	10-CNS503	AE		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-CNS701	AE		
QCNWNA028SJZZ	10-CNW803	AE		
QCNWNA051SJZZ	10-FFC702	AD		
QCNWNA052SJZZ	10-FFC701	AE		
QCNWNA055SJZZ	10-FFC801	AE		
QCNWNA056SJZZ	10-FFC805	AD		
QCNWNA062SJZZ	10-CNW101	AG		
QCNWNA063SJZZ	10-CNW102	AD		
QCNWNA064SJZZ	10-W701	AB		
QCNWNA066SJZZ	10-CNW502	AE		
QCNWNA067SJZZ	10-CNW802	AE		
QCNWNA068SJZZ	11-247	AC		
QCNWNA069SJZZ	10-CNA501	AF		
QCNWNA085SJZZ	10-CNA401	AC		
QCNWNA101SJZZ	10-CNW710	AC		
QCNWNA109SJZZ	10-W702	AB		
QFS-D202BSJNi	10-F101	AB		
QFSHD1013CEZZ	11-245	AB		
QJAKM0001SJZZ	10-J103	AG		
QSOCA0214AWZZ	10-J1	AD		
QSOCJ0301SJZZ	10-J102	AG		
QSW-K0002SJZZ	10-SW702	AC		
〃	10-SW703	AC		
〃	10-SW704	AC		
〃	10-SW705	AC		
〃	10-SW706	AC		
〃	10-SW707	AC		
〃	10-SW708	AC		
〃	10-SW709	AC		
〃	10-SW710	AC		
〃	10-SW711	AC		
QSW-Z0003SJZZ	10-SW701	AG		
QTANA9024SJZZ	10-J101	AD		
【 R 】				
RC-EZD105AF1H	8-C733	AB		
〃	8-C734	AB		
RC-EZD107AF1A	8-C703	AB		
RC-EZD226AF1H	8-C704	AB		
RC-EZD227AF1A	8-C701	AC		
RC-EZD476AF1V	8-C732	AC		
RC-GZ3001SJZZ	8-C212			
〃	8-C213			
RC-GZA104AF1H	8-C217	AB		
〃	8-C218	AB		
〃	8-C506	AB		
〃	8-C509	AB		
RC-GZA105AF1H	8-C302	AB		
〃	8-C319	AB		
〃	8-C322	AB		
〃	8-C324	AB		
〃	8-C328	AB		
RC-GZA106AF1C	8-C404	AB		
RC-GZA106AF1H	8-C203	AB		
〃	8-C204	AB		
〃	8-C819	AB		
RC-GZA107AF1A	8-C501	AB		
〃	8-C502	AB		
〃	8-C533	AB		
〃	8-C534	AB		
〃	8-C802	AB		
〃	8-C805	AB		
〃	8-C809	AB		
RC-GZA107AF1H	8-C121	AC		
RC-GZA107AF1V	8-C120	AB		
RC-GZA224AF1H	8-C508	AA		
〃	8-C510	AA		
〃	8-C515	AA		
〃	8-C516	AA		
RC-GZA225AF1H	8-C201	AB		
〃	8-C202	AB		
〃	8-C406	AB		
RC-GZA226AF1H	8-C315	AB		
〃	8-C325	AB		
〃	8-C330	AB		
〃	8-C335	AB		
RC-GZA227AF1A	8-C517	AB		
RC-GZA334AF1H	8-C321	AA		
RC-GZA474AF1H	8-C323	AA		
〃	8-C844	AA		
〃	8-C845	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
RC-GZA475AF1H	8-C333	AB		
〃	8-C526	AB		
RC-GZA476AF1E	8-C129	AB		
〃	8-C211	AB		
〃	8-C253	AB		
〃	8-C349	AB		
〃	8-C351	AB		
〃	8-C405	AB		
〃	8-C825	AB		
〃	8-C843	AB		
〃	8-C881	AB		
RC-GZA477AF0J	8-C851	AB		
〃	8-C852	AB		
〃	8-C853	AB		
〃	8-C854	AB		
〃	8-C871	AB		
RC-GZA477AF1A	8-C804	AC		
RC-GZV477AF1E	8-C1	AC		
RC-GZW338AF1V	8-C119	AH		
RC-GZW478AF1V	8-C118	AH		
RCiLA0007SJZZ	6-L302	AG		
RCiLB0009SJZZ	6-L306	AG		
RCiLBA001SJZZ	6-L503	AE		
RCiLBA003SJZZ	6-L307	AA		
RCiLiA001SJZZ	6-L305	AC		
RCiLRA001SJZZ	6-L304	AA		
RCiLZA001SJZZ	6-L102	AC		
〃	6-L103	AC		
RCŌRFA002SJZZ	6-FB802	AC		
RCŌRFA003SJZZ	6-L301	AB		
RCRSP0011SJZZ	7-X801	AE		
RCRSPA001SJZZ	7-X301	AE		
RCRSPA005SJZZ	7-X802	AF		
RCRSPA007SJZZ	7-X702	AE		
RFiLA0003SJZZ	4-CF303	AF		
RFiLF0003AWZZ	4-CF302	AK		
RFiLF0004SJZZ	4-CF301	AG		
〃	4-CF304	AG		
RFiLR0008AWZZ	4-BPF301	AE		
RH-iXA013SJZZ	1-iC701	AX		
RH-iXA018SJZZ	1-iC802	AX		
RMŌTV0409AFZZ	10-M401	AL		
〃	11-226- 4	AL		
RRLYD0014AWZZ	10-RY2	AK		
RRMCGA006SJSA	14-	AQ		
RTRNPA010SJZZ	5-PT1	BA		
【 S 】				
SPAKAA018SJZZ	13-			
SPAKAA019SJZZ	13-			
SPAKCA038SJZZ	13-			
SPAKPA006SJZZ	13-			
SSAKA0014SJZZ	13-	AB		
SSAKHA011SJZZ	13-	AD		
SSAKHA017SJZZ	13-	AD		
【 T 】				
TiNSEA013SJZZ	14-	AE		
TiNSEA019SJZZ	14-	AD		
TiNSKA002SJZZ	14-			
TLABS0042SJZZ	11-246	AB		
TLABS0046SJZZ	13-	AB		
TLABZA019SJZZ	13-			
【 U 】				
UDSKA0004AFZZ	16-	AZ		
【 V 】				
VCCCCY1HH100J	8-C341	AA		
〃	8-C342	AA		
〃	8-C507	AA		
VCCCCY1HH101J	8-C320	AA		
〃	8-C724	AA		
〃	8-C727	AA		
〃	8-C728	AA		
〃	8-C729	AA		
〃	8-C738	AA		
〃	8-C862	AA		
〃	8-C863	AA		
〃	8-C864	AA		
VCCCCY1HH120J	8-C305	AA		
〃	8-C868	AA		
〃	8-C869	AA		
VCCCCY1HH150J	8-C708	AA		
〃	8-C709	AA		
VCCCCY1HH180J	8-C307	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCCCCY1HH181J	8-C538	AA		
〃	8-C539	AA		
VCCCCY1HH200J	8-C706	AA		
〃	8-C707	AA		
VCCCCY1HH221J	8-C301	AA		
〃	8-C808	AA		
VCCCCY1HH270J	8-C310	AA		
VCCCCY1HH330J	8-C316	AA		
〃	8-C344	AA		
VCCCCY1HH331J	8-C726	AA		
VCCCCY1HH391J	8-C540	AB		
〃	8-C541	AB		
VCCCCY1HH470J	8-C521	AA		
〃	8-C524	AA		
〃	8-C858	AA		
〃	8-C859	AA		
VCCCCY1HH471J	8-C205	AA		
〃	8-C206	AA		
〃	8-C231	AA		
〃	8-C232	AA		
VCCCCY1HH561J	8-C311	AB		
VCCCCY1HH5R0C	8-C345	AA		
VCCCCY1HH681J	8-C877	AC		
VCCCCY1HH821J	8-C807	AB		
VCCSCY1HL3R0C	8-C209	AD		
〃	8-C210	AD		
VCCSCY1HL5R0C	8-C343	AD		
VCFYFA1HA104J	8-C2	AC		
VCKYCY1AF105Z	8-C855	AB		
〃	8-C856	AB		
〃	8-C880	AB		
VCKYCY1CB473K	8-C702	AA		
〃	8-C811	AA		
〃	8-C814	AA		
VCKYCY1EB104K	8-C130	AD		
〃	8-C312	AD		
〃	8-C503	AD		
〃	8-C504	AD		
〃	8-C813	AD		
〃	8-C876	AD		
VCKYCY1EB183K	8-C327	AB		
〃	8-C331	AB		
VCKYCY1EB223K	8-C820	AB		
〃	8-C821	AB		
VCKYCY1EB334K	8-C810	AC		
VCKYCY1EB393K	8-C812	AB		
VCKYCY1EB823K	8-C874	AB		
VCKYCY1EF104Z	8-C522	AA		
〃	8-C542	AA		
〃	8-C705	AA		
〃	8-C710	AA		
〃	8-C717	AA		
〃	8-C718	AA		
〃	8-C721	AA		
〃	8-C722	AA		
〃	8-C801	AA		
〃	8-C803	AA		
〃	8-C806	AA		
〃	8-C822	AA		
〃	8-C827	AA		
〃	8-C857	AA		
〃	8-C860	AA		
〃	8-C865	AA		
〃	8-C866	AA		
〃	8-C867	AA		
〃	8-C870	AA		
〃	8-C872	AA		
〃	8-C873	AA		
〃	8-C879	AA		
〃	8-C882	AA		
〃	8-C883	AA		
〃	8-C884	AA		
〃	8-C885	AA		
〃	8-C886	AA		
〃	8-C887	AA		
〃	8-C888	AA		
〃	8-C889	AA		
VCKYCY1HB101K	8-C334	AB		
〃	8-C336	AB		
〃	8-C337	AB		
〃	8-C736	AB		
VCKYCY1HB102K	8-C251	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	8-C252	AA		
〃	8-C309	AA		
〃	8-C317	AA		
〃	8-C332	AA		
〃	8-C519	AA		
〃	8-C520	AA		
〃	8-C711	AA		
〃	8-C712	AA		
〃	8-C713	AA		
〃	8-C714	AA		
〃	8-C715	AA		
〃	8-C719	AA		
〃	8-C730	AA		
〃	8-C731	AA		
〃	8-C846	AA		
〃	8-C847	AA		
〃	8-C848	AA		
〃	8-C849	AA		
〃	8-C861	AA		
〃	8-C875	AA		
VCKYCY1HB103K	8-C124	AA		
〃	8-C214	AA		
〃	8-C254	AA		
〃	8-C306	AA		
〃	8-C314	AA		
〃	8-C318	AA		
〃	8-C518	AA		
〃	8-C536	AA		
〃	8-C537	AA		
〃	8-C720	AA		
〃	8-C723	AA		
VCKYCY1HB122K	8-C529	AA		
〃	8-C530	AA		
VCKYCY1HB151K	8-C716	AA		
VCKYCY1HB152K	8-C815	AA		
〃	8-C816	AA		
〃	8-C817	AA		
VCKYCY1HB153K	8-C215	AA		
〃	8-C216	AA		
〃	8-C531	AA		
〃	8-C532	AA		
〃	8-C878	AA		
VCKYCY1HB272K	8-C512	AA		
〃	8-C514	AA		
VCKYCY1HB332K	8-C527	AA		
〃	8-C528	AA		
〃	8-C545	AA		
〃	8-C546	AA		
VCKYCY1HB333K	8-C329	AB		
VCKYCY1HB472K	8-C123	AA		
〃	8-C511	AA		
〃	8-C513	AA		
〃	8-C543	AA		
〃	8-C544	AA		
〃	8-C818	AA		
VCKYCY1HB683K	8-C308	AB		
VCKYCY1HB822K	8-C207	AA		
〃	8-C208	AA		
VCKYCY1HF104Z	8-C104	AB		
〃	8-C105	AB		
〃	8-C108	AB		
〃	8-C109	AB		
〃	8-C110	AB		
〃	8-C113	AB		
〃	8-C114	AB		
〃	8-C122	AB		
〃	8-C128	AB		
〃	8-C303	AB		
〃	8-C313	AB		
〃	8-C326	AB		
〃	8-C338	AB		
〃	8-C339	AB		
〃	8-C340	AB		
〃	8-C363	AB		
〃	8-C366	AB		
〃	8-C372	AB		
〃	8-C399	AB		
〃	8-C401	AB		
〃	8-C402	AB		
VCKYPA1HF104Z	8-C369	AB		
VCQYKA1HM562J	8-C523	AA		
VHCSVC201//-1	3-D306	AE		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-D307	AE		
VHCSVC347S/-1	3-D305	AG		
VHD1N4004//-1	3-D108	AB		
〃	3-D109	AB		
VHD1N4148//-1	3-D5	AA		
〃	3-D6	AA		
〃	3-D107	AA		
〃	3-D120	AA		
〃	3-D201	AA		
〃	3-D302	AA		
〃	3-D303	AA		
〃	3-D403	AA		
〃	3-D703	AA		
〃	3-D704	AA		
VHDMC2836//-1	3-D105	AB		
〃	3-D252	AB		
〃	3-D254	AB		
〃	3-D805	AB		
VHDMC2838//-1	3-D251	AB		
〃	3-D253	AB		
〃	3-D804	AB		
VHDRL203///-1	3-D101	AC		
〃	3-D102	AC		
〃	3-D103	AC		
〃	3-D104	AC		
VHEDZH03C3+-1	3-D701	AB		
VHEDZH04A3+-1	3-D308	AB		
VHEDZH04B3+-1	3-D801	AB		
VHEDZH05B1+-1	3-D502	AB		
〃	3-D503	AB		
VHEDZH05C2+-1	3-D803	AB		
VHEDZH07A3+-1	3-D106	AB		
VHEDZH12A1+-1	3-D309	AB		
VHEDZH2701+-1	3-D110	AB		
VHiAN22004A-1	1-iC803	AN		
VHiAN8785SB-1	1-iC804	AP		
VHiBD3881FV-1	1-iC501	AP		
VHiHY57V16D-1	1-iC805	AT		
VHiKiA7805APi	1-iC401	AF		
VHiLV23002M-1	1-iC301	AS		
VHiMN6627933C	1-iC801	BB		
VHiSTK45303-1	1-iC201	AS		
VHLGP1UD281-1	10-RX701	AL		
VHPLP3052A+-1	3-LED702	AC		
VHPSELS6E14-1	3-LED701	AM		
VP-DH100K0000	6-L303	AB		
〃	6-L501	AB		
〃	6-L702	AB		
VP-DH1R0K0000	6-L101	AC		
〃	6-L801	AC		
〃	6-L802	AC		
VP-DH470K0000	6-L308	AB		
VP-MK220K0000	6-L701	AB		
VRD-ST2CD100J	9-R103	AA		
〃	9-R104	AA		
〃	9-R106	AA		
〃	9-R107	AA		
〃	9-R302	AA		
VRD-ST2CD101J	9-R527	AA		
〃	9-R529	AA		
〃	9-R702	AA		
〃	9-R706	AA		
〃	9-R707	AA		
〃	9-R712	AA		
〃	9-R716	AA		
〃	9-R763	AA		
〃	9-R774	AA		
〃	9-R778	AA		
〃	9-R779	AA		
〃	9-R861	AA		
〃	9-R891	AA		
〃	9-R892	AA		
〃	9-R894	AA		
〃	9-R895	AA		
〃	9-R897	AA		
VRD-ST2CD102J	9-R220	AA		
〃	9-R221	AA		
〃	9-R311	AA		
〃	9-R525	AA		
〃	9-R526	AA		
〃	9-R701	AA		
〃	9-R711	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-R718	AA		
〃	9-R749	AA		
〃	9-R750	AA		
〃	9-R751	AA		
〃	9-R839	AA		
〃	9-R846	AA		
〃	9-R893	AA		
〃	9-R896	AA		
VRD-ST2CD103J	9-R303	AA		
〃	9-R547	AA		
〃	9-R781	AA		
〃	9-R796	AA		
〃	9-R824	AA		
〃	9-R847	AA		
〃	9-R867	AA		
VRD-ST2CD104J	9-R310	AA		
〃	9-R545	AA		
〃	9-R799	AA		
VRD-ST2CD121J	9-R753	AA		
〃	9-R776	AA		
VRD-ST2CD183J	9-R838	AA		
VRD-ST2CD1R0J	9-R757	AA		
VRD-ST2CD221J	9-R755	AA		
〃	9-R844	AA		
VRD-ST2CD222J	9-R155	AA		
VRD-ST2CD223J	9-R726	AA		
〃	9-R727	AA		
〃	9-R728	AA		
〃	9-R736	AA		
〃	9-R760	AA		
〃	9-R826	AA		
〃	9-R857	AA		
VRD-ST2CD224J	9-R158	AA		
VRD-ST2CD272J	9-R201	AA		
〃	9-R202	AA		
〃	9-R204	AA		
VRD-ST2CD331J	9-R161	AA		
〃	9-R571	AA		
〃	9-R577	AA		
〃	9-R810	AA		
VRD-ST2CD332J	9-R703	AA		
〃	9-R704	AA		
〃	9-R708	AA		
〃	9-R709	AA		
〃	9-R710	AA		
〃	9-R713	AA		
〃	9-R714	AA		
〃	9-R715	AA		
〃	9-R768	AA		
VRD-ST2CD333J	9-R159	AA		
〃	9-R211	AA		
VRD-ST2CD334J	9-R733	AA		
VRD-ST2CD391J	9-R323	AA		
VRD-ST2CD471J	9-R759	AA		
〃	9-R777	AA		
〃	9-R821	AA		
VRD-ST2CD472J	9-R105	AA		
〃	9-R108	AA		
〃	9-R114	AA		
〃	9-R516	AA		
〃	9-R519	AA		
〃	9-R543	AA		
VRD-ST2CD473J	9-R522	AA		
〃	9-R524	AA		
〃	9-R540	AA		
〃	9-R566	AA		
〃	9-R567	AA		
〃	9-R756	AA		
〃	9-R814	AA		
VRD-ST2CD560J	9-R816	AA		
〃	9-R819	AA		
〃	9-R822	AA		
VRD-ST2CD680J	9-R11	AA		
〃	9-R12	AA		
〃	9-R126	AA		
VRD-ST2CD681J	9-R572	AA		
VRD-ST2CD683J	9-R511	AA		
〃	9-R515	AA		
〃	9-R837	AA		
VRD-ST2CD820J	9-R13	AA		
〃	9-R14	AA		
VRD-ST2EE120J	9-R531	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRD-ST2EE471J	9-R101	AA		
〃	9-R102	AA		
VRS-CY1JB000J	9-C304	AA		
〃	9-R309	AA		
〃	9-R325	AA		
〃	9-R335	AA		
〃	9-R336	AA		
〃	9-R621	AA		
〃	9-R622	AA		
〃	9-R811	AA		
〃	9-R854	AA		
〃	9-R865	AA		
〃	9-R871	AA		
〃	9-R872	AA		
〃	9-R873	AA		
〃	9-R874	AA		
〃	9-JR303	AA		
〃	9-JR305	AA		
〃	9-JR306	AA		
〃	9-JR307	AA		
〃	9-JR308	AA		
〃	9-JR309	AA		
〃	9-JR310	AA		
〃	9-JR311	AA		
〃	9-JR401	AA		
〃	9-JR502	AA		
〃	9-JR701	AA		
〃	9-JR702	AA		
〃	9-JR703	AA		
〃	9-JR704	AA		
〃	9-JR706	AA		
〃	9-JR801	AA		
〃	9-JR802	AA		
〃	9-JR803	AA		
〃	9-JR804	AA		
〃	9-JR805	AA		
〃	9-JR806	AA		
〃	9-JR810	AA		
〃	9-JR811	AA		
VRS-CY1JB100J	9-R154	AA		
〃	9-R306	AA		
〃	9-R359	AA		
〃	9-R812	AA		
〃	9-R832	AA		
VRS-CY1JB101J	9-R109	AA		
〃	9-R118	AA		
〃	9-R216	AA		
〃	9-R217	AA		
〃	9-R248	AA		
〃	9-R267	AA		
〃	9-R280	AA		
〃	9-R374	AA		
〃	9-R411	AA		
〃	9-R551	AA		
〃	9-R725	AA		
〃	9-R766	AA		
〃	9-R767	AA		
〃	9-R771	AA		
〃	9-R801	AA		
〃	9-R808	AA		
〃	9-R845	AA		
〃	9-R850	AA		
〃	9-R851	AA		
〃	9-R862	AA		
〃	9-R882	AA		
〃	9-R883	AA		
〃	9-R884	AA		
〃	9-R885	AA		
〃	9-R886	AA		
〃	9-R887	AA		
VRS-CY1JB102J	9-R115	AA		
〃	9-R152	AA		
〃	9-R153	AA		
〃	9-R308	AA		
〃	9-R317	AA		
〃	9-R318	AA		
〃	9-R321	AA		
〃	9-R324	AA		
〃	9-R721	AA		
〃	9-R734	AA		
〃	9-R739	AA		
〃	9-R740	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-R741	AA		
〃	9-R769	AA		
〃	9-R770	AA		
〃	9-R772	AA		
〃	9-R773	AA		
〃	9-R784	AA		
〃	9-R813	AA		
〃	9-R890	AA		
VRS-CY1JB103J	9-R116	AA		
〃	9-R117	AA		
〃	9-R222	AA		
〃	9-R223	AA		
〃	9-R268	AA		
〃	9-R270	AA		
〃	9-R274	AA		
〃	9-R275	AA		
〃	9-R313	AA		
〃	9-R353	AA		
〃	9-R363	AA		
〃	9-R364	AA		
〃	9-R403	AA		
〃	9-R414	AA		
〃	9-R501	AA		
〃	9-R528	AA		
〃	9-R530	AA		
〃	9-R761	AA		
〃	9-R780	AA		
〃	9-R782	AA		
〃	9-R797	AA		
〃	9-R859	AA		
〃	9-R866	AA		
〃	9-R868	AA		
VRS-CY1JB104J	9-R304	AA		
〃	9-R305	AA		
〃	9-R319	AA		
〃	9-R322	AA		
〃	9-R328	AA		
〃	9-R705	AA		
〃	9-R732	AA		
〃	9-R737	AA		
〃	9-R898	AA		
VRS-CY1JB105J	9-R373	AA		
〃	9-R863	AA		
VRS-CY1JB121J	9-R541	AA		
〃	9-R542	AA		
VRS-CY1JB122J	9-R719	AA		
〃	9-R720	AA		
〃	9-R722	AA		
VRS-CY1JB123J	9-R113	AA		
〃	9-R132	AA		
〃	9-R133	AA		
〃	9-R218	AA		
〃	9-R219	AA		
〃	9-R263	AA		
〃	9-R534	AA		
〃	9-R536	AA		
〃	9-R539	AA		
〃	9-R746	AA		
〃	9-R747	AA		
VRS-CY1JB150J	9-R412	AB		
〃	9-R413	AB		
VRS-CY1JB152J	9-R110	AA		
VRS-CY1JB153J	9-R568	AA		
VRS-CY1JB154J	9-R257	AA		
〃	9-R258	AA		
VRS-CY1JB182J	9-R207	AA		
〃	9-R208	AA		
〃	9-R502	AA		
〃	9-R518	AA		
〃	9-R520	AA		
VRS-CY1JB183J	9-R512	AA		
VRS-CY1JB184J	9-R127	AA		
VRS-CY1JB221J	9-R327	AA		
〃	9-R731	AA		
〃	9-R735	AA		
〃	9-R823	AA		
〃	9-R848	AA		
〃	9-R849	AA		
〃	9-R860	AA		
〃	9-R864	AA		
VRS-CY1JB222J	9-R156	AA		
〃	9-R272	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-R273	AA		
〃	9-R301	AA		
〃	9-R307	AA		
〃	9-R375	AA		
〃	9-R554	AA		
〃	9-R556	AA		
〃	9-R557	AA		
〃	9-R717	AA		
〃	9-R723	AA		
〃	9-R764	AA		
〃	9-R804	AA		
〃	9-R805	AA		
〃	9-R806	AA		
VRS-CY1JB223J	9-R125	AA		
〃	9-R250	AA		
〃	9-R251	AA		
〃	9-R269	AA		
〃	9-R271	AA		
〃	9-R316	AA		
〃	9-R409	AA		
〃	9-R505	AA		
〃	9-R508	AA		
〃	9-R560	AA		
〃	9-R565	AA		
〃	9-R748	AA		
〃	9-R762	AA		
〃	9-R775	AA		
〃	9-R817	AA		
〃	9-R828	AA		
〃	9-R834	AA		
〃	9-R835	AA		
〃	9-R840	AA		
〃	9-R841	AA		
〃	9-R842	AA		
〃	9-R858	AA		
〃	9-R889	AA		
VRS-CY1JB272J	9-R205	AA		
〃	9-R206	AA		
〃	9-R214	AA		
〃	9-R215	AA		
VRS-CY1JB273J	9-R416	AA		
〃	9-R532	AA		
VRS-CY1JB330J	9-R160	AA		
〃	9-R371	AA		
VRS-CY1JB331J	9-R329	AA		
〃	9-R372	AA		
VRS-CY1JB332J	9-R312	AA		
〃	9-R407	AA		
〃	9-R415	AA		
〃	9-R509	AA		
〃	9-R510	AA		
〃	9-R513	AA		
〃	9-R514	AA		
〃	9-R521	AA		
〃	9-R523	AA		
〃	9-R561	AA		
〃	9-R564	AA		
〃	9-R570	AA		
〃	9-R785	AA		
〃	9-R802	AA		
〃	9-R807	AA		
〃	9-R869	AA		
VRS-CY1JB333J	9-R546	AA		
〃	9-R724	AA		
〃	9-R833	AA		
〃	9-R836	AA		
〃	9-R881	AA		
VRS-CY1JB334J	9-R504	AA		
〃	9-R507	AA		
VRS-CY1JB392J	9-R742	AA		
〃	9-R743	AA		
VRS-CY1JB394J	9-R533	AA		
〃	9-R535	AA		
VRS-CY1JB471J	9-R506	AA		
VRS-CY1JB472J	9-R249	AA		
〃	9-R256	AA		
〃	9-R314	AA		
〃	9-R315	AA		
〃	9-R326	AA		
〃	9-R354	AA		
〃	9-R562	AA		
〃	9-R563	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-R569	AA		
VRS-CY1JB473J	9-R129	AA		
〃	9-R259	AA		
〃	9-R260	AA		
〃	9-R261	AA		
〃	9-R262	AA		
〃	9-R264	AA		
〃	9-R320	AA		
〃	9-R537	AA		
〃	9-R538	AA		
〃	9-R549	AA		
〃	9-R550	AA		
〃	9-R555	AA		
〃	9-R573	AA		
〃	9-R574	AA		
〃	9-R803	AA		
VRS-CY1JB474J	9-R410	AA		
VRS-CY1JB560J	9-R122	AA		
VRS-CY1JB562J	9-R827	AA		
〃	9-R829	AA		
〃	9-R888	AA		
VRS-CY1JB563J	9-R203	AA		
〃	9-R209	AA		
〃	9-R210	AA		
〃	9-R224	AA		
VRS-CY1JB681J	9-R111	AA		
〃	9-R376	AA		
〃	9-R548	AA		
VRS-CY1JB682J	9-R503	AA		
〃	9-R575	AA		
〃	9-R576	AA		
〃	9-R744	AA		
〃	9-R745	AA		
VRS-CY1JB683J	9-R831	AA		
VRS-CY1JB752J	9-R820	AA		
VRS-CY1JB821J	9-R123	AA		
〃	9-R124	AA		
〃	9-R856	AA		
〃	9-R879	AA		
VRS-CY1JB822J	9-R830	AA		
〃	9-R843	AA		
VRS-CY1JB823J	9-R818	AA		
〃	9-R880	AA		
VRS-CY1JB8R2J	9-R517	AA		
VRS-VV3AAR22J	9-R212	AC		
〃	9-R213	AC		
VS2SA1235F+-1	2-Q108	AD		
〃	2-Q254	AD		
〃	2-Q404	AD		
〃	2-Q504	AD		
〃	2-Q508	AD		
〃	2-Q801	AD		
VS2SA1514K/-1	2-Q255	AC		
〃	2-Q256	AC		
VS2SA2002EF-1	2-Q506	AE		
〃	2-Q507	AE		
VS2SB1370E+-1	2-Q101	AG		
VS2SC3052F+-1	2-Q102	AD		
〃	2-Q103	AD		
〃	2-Q105	AD		
〃	2-Q201	AD		
〃	2-Q251	AD		
〃	2-Q252	AD		
〃	2-Q257	AD		
〃	2-Q301	AD		
〃	2-Q351	AD		
〃	2-Q401	AD		
〃	2-Q402	AD		
〃	2-Q403	AD		
〃	2-Q501	AD		
〃	2-Q502	AD		
〃	2-Q503	AD		
〃	2-Q511	AD		
〃	2-Q512	AD		
〃	2-Q701	AD		
〃	2-Q704	AD		
〃	2-Q705	AD		
〃	2-Q706	AD		
〃	2-Q803	AD		
〃	2-Q804	AD		
VS2SC3440BG-1	2-Q106			
〃	2-Q107			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VS2SC5395F+-1	2-Q505	AD		
〃	2-Q702	AD		
〃	2-Q703	AD		
〃	2-Q708	AD		
〃	2-Q805	AD		
〃	2-Q806	AD		
VS2SC5477++-1	2-Q302	AD		
〃	2-Q371	AD		
VSKTA1266GR-1	2-Q104	AB		
VSKTC2875B/-1	2-Q509	AC		
〃	2-Q510	AC		
〃	2-Q513	AC		
VVK09SS53T/-1	10-FL701	AT		
【 X 】				
XHBSD20P03000	11-606	AA		
XHBSD30P06000	11-605	AA		
XHBSF30P06000	11-607	AA		
XHBSF30P08000	11-608	AA		
XJBSD25P10000	11-609	AD		
XJBSD30P08000	11-610	AA		
XJBSD30P10000	11-611	AA		
XJBSF30P06000	11-612	AA		
XJBSF30P08000	11-613	AA		
XJBSF30P10000	11-614	AA		
XJBSF30P12000	11-615	AA		
XJBSF30P16000	11-616	AA		
【 9 】				
94GD62070122	11-223- 6			
94R192104310	11-223- 3	AL		
94R19210703	11-223- 1	AE		
9GD19210943	11-223- 2	AG		
9GD192112347	10-M501	AX		
〃	11-223- 9	AX		
9GD19212118	10-SOL501	AP		
〃	11-223- 4	AP		
9GD192121303	11-223-10	AZ		
〃	15-PWB-C	AZ		
9GD192121306	11-223-11	AP		
〃	15-PWB-D	AP		
9GD60990201	11-223- 8			
9GD62161401	11-223- 5	AN		
9GD640101210	10-SW501	AE		
〃	10-SW502	AE		
〃	11-223- 7	AE		
9GD8188012A	10-M801			
〃	11-224- 1			
9GD8188013A	11-224- 3			
〃	15-PWB-E			
9GD8188015A	10-SW801			
〃	11-224- 2			
9GD8188016A	11-224- 4			

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

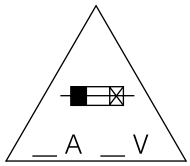
VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.



CAUTION:FOR CONTINUED
PROTECTION AGAINST FIRE
HAZARD, REPLACE ONLY WITH
SAME TYPE F101 2A, 125V FUSES.

ATTENTION:POUR ASSURER
UNE LONGUE PROTECTION CONTRE
UN INCENDIE, REMPLACER SEULEMENT
PAR UN FUSIBLE DE
TYPE F101 2A, 125V FUSES.

–MEMO–

SHARP

COPYRIGHT © 2004 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Higashihirosima, Hiroshima 739-0192, Japan

Printed in Japan
A0406-1297SS•HA•C
SC•SL